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tgtaactggg cttggccccc gccttaggcc ccgccagcag gcgaagcagg gagatgtcag 180
actgctacac ggagctggag aaggcagtca ttgtcctggt ggaaaacttc tacaaatatg 240
tgtctaagta cagcctggtc aagaacaaga tcagcaagag cagcttccgc gagatgctcc 300
agaaagagct gaaccacatg ctgtcggaca cagggaaccg gaaggctgcg gataagctca 360
tccagaacct ggatgccaat catgatgggc gcatcagctt cgatgagtac tggaccttga 420
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gctagagacc cctttggcca caccttccag gcactggcct gatgccccgc cctggtgctc 540
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agaccttcct ctgacccttg ctgaactggg gtccctttgt gagtgtctca gtctagaggt 660
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gtatcccctg gtcctctggg atgctcatta aaaccttccc actccttgga aaaaaaaaa 1140
aaaaaargcg ggsggtttan aggatccaac ttacntaccc gtgcattgc               1189
```

<210> 136
<211> 1466
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1291)
<223> n equals a,t,g, or c

<400> 136
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cngcttagtt cttccatttc acccttgcag ccagctgttg gccacggccc tgccctctgg 60
tctgccgtgc atctccctgt gccctcttgc tgcctgcctg tctgctgagg taaggtggga 120
ggagggctac agccacatcc cacccccctcg tccaatccca taatccatga tgaaaggtga 180
ggtcacgtgg cctcccaggc tgacttccca acctacagca ttgacgccaa cttggctgtg 240
aaggaagagg aaaggatctg gccttgtggt cactggcatc tgagccctgc tgatggctgg 300
ggctctcggg catgcttggg agtgcagggg gctcgggctg cctggcctgg ctgcacagaa 360
ggcaagtgct ggggctcatg gtgctctgag ctggcctgga ccctgtcagg atgggcccca 420
cctcagaacc aaactcactg tccccactgt ggcatgaggg cagtggagca ccatgtttga 480
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aattatggac tgttgggaaa agggttttgt ccagaaggac aagccggaca aatgagcgac 600
ttctgtgctt ccagaggaag acgagggagc aggagcttgg ctgactgctc agagtctgtt 660
ctgacgccct ggggggttcct gtccaacccc agcaggggcg cagcgggacc agccccacat 720
tccacttgtg tcactgcttg gaacctattt attttgtatt tatttgaaca gagttatgtc 780
ctaactattt ttatagattt gtttaattaa tagcttgtca ttttcaagtt cattttttat 840
tcatatttat gttcatggtt gattgtacct tcccaagccc gcccagtggg atgggaggag 900
gaggagaagg ggggccttgg gcgctgcagt cacatctgtc cagagaaatt ccttttggga 960
```

```
ctggaggcag aaaagcggcc agaaggcagc agccctggct cctttccttt ggcaggttgg 1020
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gaggaacctc aataaccttg aaggtggaat ccagttattt cctgcgctgc gagggtttct 1140
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gacctgatga ggaaatcttc aatasgacgc aaagatcaat gcaaaaattg ttctatctga 1380
acatataact ggagctcgtc caaaaagcac actacgacag aactggacgt tcgcagcgtc 1440
cattcaaagc agcctcctca tcaagt                                      1466
```

<210> 137
<211> 140
<212> DNA
<213> Homo sapiens

<400> 137

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tcttctcagc gctccgccak ggccgtgggc cgaccccggc ggggccgatc cgarggcctc 120
actaaaccat ccaatcggta                                             140
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<210> 138
<211> 4142
<212> DNA
<213> Homo sapiens

<400> 138

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ataaagcagg tgattatcca gggtttttcga agttacagag atcaaacaat tgtagatccc 180
ttcagttcaa aacataatgt gattgtgggc agaaatggat ctggaaaaag taactttttt 240
tatgcaattc agtttgttct cagtgatgag tttagtcatc ttcgtccaga acagcggttg 300
gctttattgc atgaaggtac tggtcctcgt gttatttctg cttttgtgga gattattttt 360
gataattcag acaaccggtt accaatcgat aaagaggaag tttcacttcg aagagttatt 420
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gctggtacta gagtgtatga cgaacgaaag gaagaaagca tctccttaat gaaagaaaca 660
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gaagtcaaag ctcgagtaga gaactggac agaaaatatt acgaagtaaa aaataagaaa 1500
```

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aaggccattt taaatggaat agacagcata aacaaagtgc tagaccactt ccgtcgaaaa 1680
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ctaaatattc tttcctaatt attttatcac ttatactacc tttttttatag cttcaattaa 4080
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tt                                                                  4142
```

<210> 139
<211> 1747
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (1659)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1704)
<223> n equals a,t,g, or c

<400> 139
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gcagttgaac ctgatgagca agaattataa cagcaaggaa acattaatgc ttagaattct 180
gagatccagc acaactcagt ctgtgggagc tcagctcgct gcccagggat aggtatgacc 240
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gtagagagag ttgctggcta tttaaaaagc tctttcatct kttaattcac ytcttctttt 480
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ataagcaagt gagcagatgg gacaagttag tcttttctcc ctagaaacaa aggggatgcc 600
cagtggtttc cctttgcttc ccaacctaaa atttcaagtt aataaaata gcaattagca 660
gaagtgacca aattgggaga taattatcag tcatgaggaa agacacagat ttcggtcata 720
aagaatgtaa gggctataag tagaaacttt ctataaccta aatgatgtta tagaattatt 780
tttgagcagg agcagaaaga ttaaatatga tcacttcata cttctaaatc agaaatagga 840
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ctatattcct atcagtataa tactaaaatg taactttta atcatctggt ttttaaaga 1020
taaacagttt agcccatctc tccagagagc aaacatagga atatgactca ggagcctcct 1080
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agatcacttg ggcccaagaa gtccaacctg ccagcgganc ttaagattca caccacttgc 1680
actcccaccc tggggtttaa ttanaaccaa aacccttttc tccgaaaaaa aaaaaaaaaa 1740
aaaaaaa                                                         1747

<210> 140
<211> 1240
<212> DNA
<213> Homo sapiens

<400> 140
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acgccaagag gagtctctgt ccgcgcggcc ggccctggag accgaggggc tgcgcttcct 120
gcacaccacg gtgggctccc tgctggccac ctatggctgg tacatcgtct tcagctgcat 180
```

```
ccttctctac gtggtctttc agaagctttc cgcccggcta agagccttga ggcagaggca 240
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agcagctgct cgactgaaaa tgcaagaaga actaaatgcg caagttgaaa agcataagga 360
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gccttccact tcatctgtcc tgaaacggaa atcggacaga aagcctttgc ggggaggagg 540
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tacagaactt tgtaaaaacg aaactattta aaaaacaaga ataacatttt tagcatcttt 1140
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acctccaaaa aaaaaaaaaa aaaaaaaaaa aaawaaacaa                         1240
```

```
<210> 141
<211> 671
<212> DNA
<213> Homo sapiens
```

```
<400> 141
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tgttcctcag cctccgctac cacaacctgc acccagacta catccatggg cggctgcaga 180
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cctggagccc cgaggaagct gggcggtacc tggagaccta caaggcctat gagcagaaac 360
cagcggacct cctgatggag aagctagagc aggacttcgt ctcccgggtg actgaatgtc 420
tgaccaccgt gaagtcagtc aacaaaacgg acagtcagac cctcctgacc acatttggat 480
ctctggaaca gctcatcgcc gcatcaagag aagatctggc cttatgccca ggcctgggcc 540
ctcagaaagc ccggaggctg tttgatgtcc tgcacgagcc cttcttgaaa gtacctgat 600
gaccccagct gccaaggaaa cccccagtgt aataataaat cgtcctccca ggccaggcaa 660
aaaaaaaaaa a                                                       671
```

```
<210> 142
<211> 3265
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<222> (3234)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (3256)
```

<223> n equals a,t,g, or c

<400> 142

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ggcaccgtgg acattgagag cctgacgggc taccgcacct accgctgtgc ccacccctg 60
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tgggcgcagg gtgcagggtg tcttccggat ctggtgtgac cttggtccag gagttctatt 2460
tgttcctggg gagggaggtt ttttgtttg tttttttgggt tttttggtg tcttgttttc 2520
tttctcctcc atgtgtcttg gcaggcactc atttctgtgg ctgtcggcca gagggaatgt 2580
tctggagctg ccaaggaggg aggagactcg ggttggctaa tccccggatg aacggtgctc 2640
cattcgcacc tcccctcctc gtgcctgccc tgcctctcca cgcacagtgt taaggagcca 2700
agaggagcca cttcgcccag actttgtttc cccaccgcct gcggcatggg tgtgtccagt 2760
gccaccgctg gcctccgctg cttccatcag ccytgtcgcc acctggtcct tcatgaagag 2820
cagacactta gaggctggtc gggaatgggg aggtcgcccc tgggagggca ggcgttggtt 2880
```

```
ccaagccggt tcccgtccct ggcgcctgga gtgcacacag cccagtcggc acctggtggc 2940
tggaagccac cctgctttag atcactcggg tccccacctt agaagggtcc ccgccttaga 3000
tcaatcacgt ggacactaag gcacgtttta gagtctcttg tcttaatgat tatgtccatc 3060
cgtctgtccg tccatttgtg ttttctgcgt cgtgtcattg gatataatcc tcagaaataa 3120
tgcacactag cctctgacaa ccatgaagca aaaatccgtt acatgtgggt ctgaacttgt 3180
agactcggtc acagtatcaa ataaaatcta taacagaaaa aaaaaaaaaa gggngccgtc 3240
taaagatcaa cttctncctt gatca                                    3265
```

<210> 143
<211> 765
<212> DNA
<213> Homo sapiens

<400> 143
```
gcccacgcgt ccgcccacgc gtccgcggac gcgtgggggg tgacattgag ctcaccagcg 60
ccaccgtccc cggcgaagtt ctgcgctggt cggcggagta gcaagtggcc atggggagcc 120
tcagcggtct gcgcctggca gcaggaagct gttttaggtt atgtgaaaga gatgtttcct 180
catctctaag gcttaccaga agctctgatt tgaagagaat aaatggattt tgcacaaaac 240
cacaggaaag tcccggagct ccatcccgca cttacaacag agtgccttta cacaaaccta 300
cggattggca gaaaaagatc ctcatatggt caggtcgctt caaaaaggaa gatgaaatcc 360
cagagactgt ctcgttggag atgcttgatg ctgcaaagaa caagatgcga gtgaagatca 420
gctatctaat gattgccctg acggtggtag gatgcatctt catggttatt gagggcaaga 480
aggctgccca aagacacgag actttaacaa gcttgaactt agaaaagaaa gctcgtctga 540
aagaggaagc agctatgaag gccaaaacag agtagcagag gtatccgtgt tggctggatt 600
ttgaaaatcc aggaattatg ttataacgtg cctgtattaa aaaggatgtg gtatgaggat 660
ccattcata aagtatgatt tgcccaaacc tgtaccattt ccgtatttct gctgtagaag 720
tagaaataaa ttttcttaaa taaaaaaaaa aaaaaaaaac tcgag           '765
```

<210> 144
<211> 1694
<212> DNA
<213> Homo sapiens

<400> 144
```
gcccacgcgt ccgggttgct ctattattat tattattatt atttgccttt ttttaatcac 60
catttatttg tgtaatcttt ctccattgat tggctgtcat tcttataata tctgaactac 120
cccataaaat aattctctga cttaaaggca tttagctttt gcttatcgtt tttacatcct 180
ctattcaact aagacactgt cttgagagtt attttttcca gatggatcgt tggcctaaat 240
tttcacactt ctcccctgtt catcctttt cctcttccct gcttcctggg aataaaagga 300
acttttttaa aaaaattaat tagtccacag gwctmattat ctttctttat gattaatcta 360
tgactttttg gtacaagaac aatggaaaaa gtgaattaag gtaatgaaca aaacctttca 420
cccacttaaa catttttcag ttttgagatt cctcttcgtg tttgtggtgt cttccccttg 480
ttacccttc tgcccttttt tctctgactat ggtaatttgg tctttaggct catatcagtc 540
tccccgagac attctgcagt cattatcacc tttttgggtg gattttattt tgttttatt 600
tgttttttt aaaaaaataa cttttaaca ttggtgcata tttgcttggg atagagcttg 660
tgtaatttac caatcgtatt gattgtaagt gattgtgccc tgcagaggta tatttaacaa 720
gacaaaaata atcttggtta ataaaggagc ccatgagatt tgagtcaggt tgtaagtgaa 780
atcacttaca cttttggata gaatttatac tcctgctctt ataaatcagt ggtagactta 840
ccattttta aagtttctt gcattttttt gttttttat tgccacagct ccctattctt 900
tcttgcctgc ctccaccccc ctgttcagga aaaaaaaaa ttgagcctta aagtgacagc 960
tgatttttta attgctgaat tttgtgaaat tttactttt ccaagtgttt ccaactttaa 1020
```

```
aaagagaagt gaagacaaat aggttggaat ggtgaagaca aatggrttgg ratttcacag 1080
gctgtgaata attccttagg atctggcaaa ccgtgaagtc ttatttgaag accttatctc 1140
ctgagagttc ttttggagta ggaaaaagaa ccctatttga aatagaccgt ttttctcttg 1200
tttttaatct gtttaatatt tctgattttt aagcagcttt caaaacaagt gtggtggaaa 1260
aaaagaaata gtagtaggaa gatgtttagg gcagcagaac tctgggtcta aataagtaca 1320
tgttcccact tgttgccgat ttttgagagt actagggcca tctttctcaa ttttgtatta 1380
tttgtgtgca tgtttatatc aaagatgccc attttgttaa aatgctattt cctttattac 1440
cttggaaact gactcagcct catgttgctc ctaattagtg tttaaggctc ccatgagttg 1500
cagataaaat gatttatttt aacaagtaga aggaggtgat tcaccttttg gattgtaaat 1560
atatgaaaat gtctacaagg tctttatctg ctttctgtca gcatttatat taaatgataa 1620
attaatgagg aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1680
aaaaaagggc ggcc                                                   1694
```

```
<210> 145
<211> 823
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (731)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (743)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (749)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (755)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (817)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (821)
```

<223> n equals a,t,g, or c

<400> 145
```
tgtcacagac tacttcatca gtcgcttatc tggagctggg accaaggttt ctgccaggcc 60
ttgggatcag ctcttggggg tcagagcagc cttcccacat cctctggcac tgctgaactt 120
ttgcagcagc tctttcctcc tctyttggat gcccttcgag agcccaggtt acgacggatt 180
tnctgccagc ctgcagatcc tgcgcctgtc gccctgcagg tctctgtacc cttcagacca 240
ccttgctctg gttcctgggc agagctcagc agtacttggc agcatgggac ccagcttcct 300
tcctgctcct gatccaaaag gacttacctc ctctgttgca tgaggcagaa gctttgtata 360
gcctggcctc agaggaaagc ttagctctgg aagtggagca gcagctgggc ctggagatcc 420
agaagctgac tgcacagatc cagctcctgc ctgaagagtc actaagtgtc ttttctcaag 480
aatgtcataa acaagccatg caaggtttca agctctacat gccacggggt cggtactggc 540
ggcttcgtct ctgtcctgaa cctcccagtg ctcctagtga gtatgctggt ttagtggtcc 600
gcaccgtact ggagcctgtg ttgcaaggat tgcaagggtt gcacctcaag cccaggcccc 660
tgcccttggt caggctctga cggscatcgt gggtgcctgg cttgaccaca ttcttaccca 720
tgggattcgg nttcaacctg canggagcnc tkcancttaa acaagacttt ggaatggtca 780
ggagtttgtg aaaagagca tggacctgtc cctgatntcg nca          823
```

<210> 146
<211> 1134
<212> DNA
<213> Homo sapiens

<400> 146
```
caaaagcata gagaaattat aaaattcaag aacagatgtt agaatggaaa ctgatctaga 60
ggttataata aaggataata gtcttgtgct gacaccatca cacatcaaag cctacatgtt 120
gatgactctt caaggattag aatatttaca tcaacattgg atcctacata gggatctgaa 180
accaaacaac ttgttgctag atgaaaatgg agttctaaaa ctggcagatt ttggcctggc 240
caaatctttt gggagcccca atagagctta tacacatcag gttgtaacca ggtggtatcg 300
ggcccccgag ttactatttg gagctaggat gtatggtgta ggtgtggaca tgtgggctgt 360
tggctgtata ttagcagagt tacttctaag ggttcctttt ttgccaggag attcagacct 420
tgatcagcta acaagaatat ttgaaacttt gggcacacca actgaggaac agtggccgga 480
catgtgtagt cttccagatt atgtgacatt taagagtttc cctggaatac ctttgcatca 540
catcttcagt gcagcaggag acgacttact agatctcata caaggcttat tcttatttaa 600
tccatgtgct cgaattacgg ccacacaggc actgaaaatg aagtatttca gtaatgcgcc 660
agggccaaca cctggatgtc agctgccaag accaaactgt ccagtggaaa ccttaaagga 720
gcaatcaaat ccagctttgg caataaaaag gaaaagaaca gaggccttag aacaaggagg 780
attgcccaag aaactaattt tttaaagaga acactggaca acatttact actgagggaa 840
atagccaaaa aggcaaataa tggaaaaata gtaaacatta agtaaatgct gtagaagtga 900
gtttgtaaat attctacaca tgtaaaatat gtaaactat gggttatttt tattaaatgt 960
attttaaaat aaaaatttaa ttctggtttt tctgattaga gtgcmaaagt gagaaaagtt 1020
caatactctt gaatgtagaa ttgaaaatgc attagggaaa acttaataaa aattattacc 1080
agttatttgg aagatctgac ccatatagta tcacaaatct gtagtagcat gggt     1134
```

<210> 147
<211> 1486
<212> DNA
<213> Homo sapiens

<400> 147
```
gcggacgcgt gggggggcggg gtgtcgtttc ctttcgctga tgcaagagcc tagtgcggtg 60
```

```
gtgggagagg tatcggcagg ggcagcgctg ccgccgggc ctggggctga cccgtctgac 120
ttcccgtccg tgccgagccc actcgagccg cagccatgtc tggggacgag atgattttg 180
atcctactat gagcaagaag aaaaagaaga agaagaagcc ttttatgtta gatgaggaag 240
gggataccca aacagaggaa acccagcctt cagaaacaaa agaagtggag ccagagccaa 300
ctgaggacaa ggatttggaa gctgatgaag aggacactag gaaaaaagat gcttctgatg 360
atctagatga cttgaacttc tttaatcaaa agaaaaagaa gaaaaaaact aaaaagatat 420
ttgatattga tgaagctgaa gaaggtgtaa aggatcttaa gattgaaagt gatgttcaag 480
aaccaactga accagaggat gaccttgaca ttatgcttgg caataaaaag aagaaaaaga 540
agaatgttaa gttcccagat gaggatgaaa tactagagaa agatgaagct ctagaagatg 600
aagacaacaa aaaagatgat ggtatctcat tcagtaatca gacaggccct gcttgggcag 660
gctcagaaag agactacaca tacgaggagc tgctgaatcg agtgttcaac atcatgaggg 720
aaaagaatcc agatatggtt gctggggaga aaggaaatt tgtcatgaaa cctccacaag 780
tcgtccgagt aggaaccaag aaaacttctt ttgtcaactt tacagatatc tgtaaactat 840
tacatcgtca gcccaaacat ctccttgcat ttttgttggc tgaattgggt acaagtggtt 900
ctatagatgg taataaccaa cttgtaatca aaggaagatt ccaacagaaa cagatagaaa 960
atgtcttgag aagatatatc aaggaatatg tcacttgtca cacatgccga tcaccggaca 1020
caatcctgca gaaggacaca cgactctatt tcctacagtg cgaaacttgt cattctagat 1080
gttctgttgc cagtatcaaa accggcttcc aggctgtcac gggcaagcga gcacagctcc 1140
gtgccaaagc taactaattt gctaatcact gattttgcaa agcttgttgt ggagatgtgg 1200
ctggacaggt ttgccatcag agtggatata ccgttgtatt aaaaacaaga taaaaaagct 1260
gccaagattt ttggcgagtg gttggtctga agtccttgca agacgctgat gctcaagctg 1320
ttgacatact cattgcctac tttaacacct gtcagagaaa cgtgatatgg ggtaaggagg 1380
tgcttttta aaatcgttca tagacttctg taaaatgcaa gataaattaa agttattata 1440
acagtgataa aaaaaaaaa aaaaaaaaa aaaaaaaaa aaaaaa              1486
```

<210> 148
<211> 153
<212> DNA
<213> Homo sapiens

<400> 148
```
cgcctgtgca gcgcaagatc gaggctcgct cggcagagga ctccttcaca ggcttcgtcc 60
ggaccctgta ctttgctgac acctacctga aggagtgcca aggctgagcg gccaggcctc 120
cagaacatgg agctggcgcc tgtgcagcgc aag                         153
```

<210> 149
<211> 882
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>

```
<221> misc feature
<222> (870)
<223> n equals a,t,g, or c

<400> 149
acgaagggca aagntggtgt caccncggtg cgccgtctag actagtggat cccggctcag 60
gattcgcacg tgcctcctgg tctcagtatg gcgctgtcct gggttcttac agtcctgagc 120
ctcctacctc tgctggaagc ccagatccca ttgtgtgcca acctagtacc ggtgcccatc 180
accaacgcca ccctggaccr gatcactggc aagtggtttt atatcgcatc ggcctttcga 240
aacgaggagt acaataagtc ggttcaggag atccaagcaa ccttctttta cttcacccccc 300
aacaagacag aggacacgat ctttctcaga gagtaccaga cccgacagga ccagtgcatc 360
tataacacca cctacctgaa tgtccagcgg gaaaatggga ccatctccag atacgtggga 420
ggccaagagc atttcgctca cttgctgatc ctcaggaca ccaagaccta catgcttgct 480
tttgacgtga acgatgagaa gaactggggg ctgtctgtct atgctgacaa gccagagacg 540
accaaggagc aactgggaga gttctacgaa gctctcgact gcttgcgcat tcccaagtca 600
gatgtcgtgt acaccgattg gaaaaaggat aagtgtgagc cactggagaa gcagcacgag 660
aaggagagga aacaggagga gggggaatcc tagcaggaca cagccttgga tcaggacaga 720
gacttggggc catcctgccc ctccaacccg acatgtgtac ctcagctttt tccctcactt 780
gcatcaataa agcttctgtg tttggaacag ctaaaaaaaa aaaaaaaaaa aaaaaaaaaa 840
actcgagggg gggcccgkaa cccaatcgcn tgatattatt ag                     882


<210> 150
<211> 1508
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<400> 150
ctaaggaggg gtgaaccggc ccaggtcgga aacggagcag gtcaaaactc ccgtgctgag 60
gtgggaggat cgcttgagcc caggagttct gggctgtagt gcgctatgcc gatcgggtgt 120
ccgcantcta gccttggcaa cagtgcaaga ctgtntcaaa aacagcaaca garagcagga 180
cgtgagactt ctacctgctc actcagaatc atttctgcac caaccatggc cacgtttgtg 240
gagctcagta ccaaagccaa gatgcccatt gtgggcctgg cacttggaa gtctcctctc 300
ggcaaagtga agaagcagt gaaggtggcc attgatgcag gatatcggca cattgactgt 360
gcctatgtct atcagaatga acatgaagtg ggggaagcca tccaagagaa gatccaagag 420
aaggctgtga gcgggagga cctgttcatc gtcagcaagt tgtggcccac tttctttgag 480
agaccccttg tgaggaaagc ctttgagaag accctcaagg acctgaagct gagctatctg 540
gacgtctatc ttattcactg gccacaggga ttcaagtctg gggatgacct tttcccaaa 600
gatgataaag gtaatgccat cggtggaaaa gcaacgttct tggatgcctg ggaggccatg 660
gaggagctgg tggatgaggg gctggtgaaa gcccttgggg tctccaattt cagccacttc 720
cagatcgaga agctcttgaa caaacctgga ctgaaatata aaccagtgac taaccaggtt 780
gagtgtcacc catacctcac gcaggagaaa ctgatccagt actgccactc caagggcatc 840
```

```
accgttacgg cctacagccc cctgggctct ccggatagac cttgggccaa gccagaagac 900
ccttccctgc tggaggatcc caagattaag gagattgctg caaagcacaa aaaaaccgca 960
gcccaggttc tgatccgttt ccatatccag aggaatgtga ttgtcatccc caagtctgtg 1020
acaccagcac gcattgttga gaacattcag gtctttgact ttaaattgag tgatgaggag 1080
atggcaacca tactcagctt caacagaaac tggagggcct gtaacgtgtt gcaatcstct 1140
catttggaag actatccctt cgatgcagaa tattgaggtt gaatctcctg gtgagattat 1200
acaggagatt ctctttcttc gctgaagtgt gactacctcc actcatgtcc cattttagcc 1260
aagcttattt aagatcacag tgaacttagt cctgttatag acgagaatcg aggtgctgtt 1320
ttagacattt atttctgtat gttcaactag gatcagaata tcacagaaaa gcatggcttg 1380
aataaggaaa tgacaatttt ttccacttat ctgatcagaa caaatgttta ttaagcatca 1440
gaaactctgc caacactgag gatgtaaaga tcaataaaaa aaataataat cataaaaaaa 1500
aaaaaaaa                                                        1508
```

```
<210> 151
<211> 1232
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1217)
<223> n equals a,t,g, or c

<400> 151
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```
naactgngct agcatgccca gcccacagag agcctccact agagtgatgc taagtggaaa 60
tgtgaggtgc agctgccaca gagggccccc accagggaaa tgtctagtgt ctagtggatc 120
caggccacag gagagagtgc cttgtggagc gctgggagca ggacctgacc accaccagga 180
ctccagcctg ggtgacaggg tgaacgccat ctcaaaaaat aaaaattaaa aaataaaaaa 240
agaacctgga tctcaattta atttttcata ttcttgcaat gaaatggact tgaggaagct 300
aagatcatag ctagaaatac agataattcc acagcacatc tctagcaaat ttagcctatt 360
cctattctct agcctattcc ttaccacctg taatcttgac catatacctt ggagttgaat 420
attgttttca tactgctgtg gtttgaatgt tccctccaac actcatgttg agacttaatc 480
cctaatgtgg caatactgaa aggtggggcc tttgagatgt gattggatcg taaggctgtg 540
ccttcattca tgggttaatg gattaatggg ttatcacagg aatgggactg gtggctttat 600
aagaagagga aaagagaact gagctagcat gcccagccca cagagagcct ccactagagt 660
gatgctaagt ggaaatgtga ggtgcagctg ccacagaggg cccccaccag ggaaatgtct 720
```

```
agtgtctagt ggatccaggc cacaggagag agtgccttgt ggagcgctgg gagcaggacc 780
tgaccaccac caggacccca gaactgtgga gtcagtggca gcatgcagcg cccccttggg 840
aaagctttag gcaccagcct gcaacccatt cgagcagcca cgtaggctgc acccagcaaa 900
gccacaggca cggggctacc tgaggccttg ggggcccaat ccctgctcca gtgtgtccgt 960
gaggcagcac acgaagtcaa aagagattat tctcttccca cagatacctt ttctctccca 1020
tgaccctta acagcatctg cttcattccc ctcaccttcc caggctgatc tgaggtaaac 1080
tttgaagtaa aataaaagct gtgtttgagc atcaaaaaaa aaaaaaaaaa aaaaaaaaa 1140
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1200
aaaaaaaaaa aangggnggc cgttttaaag ga                           1232
```

```
<210> 152
<211> 999
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (917)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (951)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (995)
<223> n equals a,t,g, or c

<400> 152
gcgcagctcc gccggcgcct ggtcccagcg cccgcggcgc cgcgtccccg gcccaaccat 60
ggcrtcctcc gcggccggct gcgtggtgat cgttggcagt ggagtcattg ggygaagctg 120
ggccatgctg tttgccagtg gaggcttcca ggtgaaactc tatgacattg agcaacagca 180
gataaggaay gccctggaaa acatcagaaa ggagatgaag ttgctggagc aggcaggttc 240
tctgaaaggc tccctgagtg tggaagagca gctgtcactc atcagtggtt gtcccaatat 300
ccaagaagca gtagagggyg ccatgcwcat ycwgtgaatc cgccatacta catcccgctg 360
gttgagctgg tcccccaccc ggagacggcc cctacgacag tggacagaac ccacgccctg 420
atgaagaaga ttggacagtg ccccatgcga gtccagaagg aggtggccgg cttcgttctg 480
aaccgcctgc aatatgcaat catcagcgag gcctggcggc tagtggagga aggaatcgtg 540
tctcctagtg acctggacct tgtcatgtca gaagggttgg gcatgcggta tgcattcatt 600
ggacccctgg aaaccatgca tctcaatgca gaaggtatgt taagctactg cgacagatac 660
agcgaaggca taaaacatgt cctacagact tttggaccca ttccagagtt ttccagggcc 720
actgctgaga aggttaacca ggacatgtgc atgaaggtcc ctgatgaccc ggagcactta 780
gctgccagga ggcagtggag ggacgagtgc ctcatgagac tcgccaagtt gaaragtcaa 840
gtgcagmyaa sctggaratt tccacctttt cttttcagct tgattgcatt tgactatatt 900
ttacagccag tgattgnagt ttcatggtaa tatgtggcaa aatattttg naattatttt 960
ctaatccctt tcttaagtac tctggggccc tgcanttat                     999
```

```
<210> 153
<211> 1212
```

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (794)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1047)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1176)
<223> n equals a,t,g, or c

<400> 153
cacgcccacc tctctcctgg agcgctgggc cttcgctggc cgcaccggca gccatgagct 60
cggagatgga gccgctgctc tgggcctgga gctattttag gcgcaggaag ttccagctct 120
ggccgatcta tgcacgcaga tgctggagaa gtccccttat gaccaggcgg ctgctgcaga 180
tgggcattta taacggccag ctttttaaca atctgggggct gtgttgcttc tatgcccagc 240
agtatgatat gactctgacc tcatttgaac gtgccctttc tttggctgaa aatgaagaag 300
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tggcccatca gtgcttcagg ctggctctgg tcaacaacaa caaccacgcc gaggcctaca 420
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ttccagacca tgtggacaca caacatttaa ttaaacaatt aaggcagcat tttgctatgc 660
tctgattgtt ccttagacca catatgttct tatgaagcmg cattatgcaa ggggaaaaaa 720
gcactatgtc tgtgtatgta tgtatatagt gtaatacgta tattttaaca aacctgtcct 780
tgatattagt taanggtgac acataagggt gacacagaat gtgtaatgca aatttcatag 840
taatagtaac tttataaaat aatattataa aatacaggat ttaaaccttt ctaaatagat 900
cctgaaactg tctctcacat tatatagtag atgtttgttt ataatgttta caaaacattt 960
tggtgaattt cctcaatgtt ttataaatgt acatttttta agtccttaag ctgactctta 1020
gccatcatgt agcttaagga gtctggnaat ctggccattg aaaactggca cctttgaagc 1080
caggtgtggt tagcatgtgc ctatagtccc agcttacttg gggaggtggg aggtggggag 1140
ggattnatga aattaggagg actttttccct ttaagnactt ttaaaaaaat ggtattttga 1200
aaacctattt tt                                                    1212

<210> 154
<211> 2361
<212> DNA
<213> Homo sapiens
```

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<400> 154
ggagccttgc cttgctgctc tacctccacc atgccaagtg gtcccaggct gcacccatgg 60
cagaaggagg agggcagaat catcacgaag gntgaagttc atggatgtct atcagcgcat 120
actgccatcc aatcgagacc ctggtggaca tcttccagga gtaccctgat gagatcgagt 180
acatcttcaa gccatcctgt gtgcccctga tgcgatgcgg gggctgctgc aatgacgagg 240
gcctggagtg tgtgcccact gaggagtcca acatcaccat gcagattatg cggatcaaac 300
ctcaccaagg ccagcacata ggagagatga gcttcctaca gcacaacaaa tgtgaatgca 360
gaccaaagaa agatagagca agacaagaaa aatgtgacaa gccgaggcgg tgagccgkgc 420
aggaggaagg agcctccctc agggtttcgg gaaccagatc tctcaccagg aaagactgat 480
acagaacgat cgatacagaa accacgctgc cgccaccaca ccatcaccat cgacagaaca 540
gtccttaatc cagaaacctg aaatgaagga agaggagact ctgcgcagag cactttgggt 600
ccggagggcg agactccggc ggaagcattc ccgggcgggt gacccagcac ggtccctctt 660
ggaattggat tcgccatttt atttttcttg ctgctaaatc accgagcccg gaagattaga 720
gagtttatt tctgggattc ctgtagacac acccacccac atacatacat ttatatatat 780
atatattata tatatataaa aataaatatc tctattttat atatataaaa tatatatatt 840
cttttttaa attaacagtg ctaatgttat tggtgtcttc actggatgta tttgactgct 900
gtggacttga gttgggaggg gaatgttccc actcagatcc tgacagggaa gaggaggaga 960
tgagagactc tggcatgatc ttttttttgt cccacttggt ggggccaggg tcctctcccc 1020
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gacaaaccca gccctggcgc tgagcctctc taccccaggt cagacggaca gaaagacaga 1140
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tgctgtgctt tggggattcc ctccacatgc tgcacgcgca tctcgccccc aggggcactg 1260
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catgacagct cccccttcctg ggactcgccc tcatcctctt cctgctcccc ttcctggggt 1440
gcagcctaaa aggacctatg tcctcacacc attgaaacca ctagttctgt cccccccagga 1500
gacctggttg tgtgtgtgtg agtggttgac cttcctccat cccctggtcc ttcccttccc 1560
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agaaagtgtt ttatatacgg tacttatttta atatcccttt ttaattagaa attaaaacag 1680
ttaatttaat taaagagtag ggttttttttt cagtattctt ggttaatatt taatttcaac 1740
tatttatgag atgtatcttt tgctctctct tgctctctta tttgtaccgg tttttgtata 1800
taaaattcat gtttccaatc tctctctccc tgatcggtga cagtcactag cttatcttga 1860
acagatattt aattttgcta acactcagct ctgccctccc cgatcccctg gctccccagc 1920
acacattcct ttgaaataag gtttcaatat acatctacat actatatata tatttggcaa 1980
cttgtatttg tgtgtatata tatatatata tgtttatgta tatatgtgat tctgataaaa 2040
tagacattgc tattctgttt tttatatgta aaaacaaaac aagaaaaaat agagaattct 2100
acatactaaa tctctctcct tttttaattt taatatttgt tatcatttat ttattggtgc 2160
tactgtttat ccgtaataat tgtggggaaa agatattaac atcacgtctt tgtctctagt 2220
gcagttttc gagatattcc gtagtacata tttatttta aacaacgaca aagaaataca 2280
gatatatctt aaaaaaaaaa aagcattttg tattaaagaa tttaattctg atctcaaaaa 2340
aaaaaaaaaa aaaagggggg g   2361

<210> 155
<211> 1831
<212> DNA
<213> Homo sapiens

```
<400> 155
aaaggtgaga atgcacaaag acagctctgg gttgggtacc acagttttgc ttggtagaaa 60
gaaaccagtg taggaaagga gacgccacca gacatcttca acagacaaga ttctttctgc 120
ctttttcaaa agatgctctc tgcagcagta agactataga tagagttgat tggaatatca 180
tgtgacccag tatgctactg ctaggcataa ttatcaaaaa ttcatttttc tcattaaata 240
ttgttaattg ctcgccacat aaagagaagc tagagctcac cagtcttggt ggtgtcctag 300
accttcctct aaagcagtct tgggaagctg gatcatcagw tctttagcct agacagagtg 360
tcgctggtaa ataaaggaga cacaggtaac ccagagtgga cagtgatttg cgtggggagw 420
cacagtggat ctggggcctc tgatactttg yttcckaaaa cagcccccag ttttcggctt 480
gcctatgaga tgatgttcat gtgcttcctt gaaaccaggt ggaaagaaag gggaagaatt 540
aattttctca ttctgttgct gttgaacgta atgtaatctt aatactgtag ccttcctaga 600
agcccttccc tcttttcat gctgtaaagt caaatatttg atatccttaa cataaatttt 660
aaaaattaag gtcattaggr agcaaatgtc tatttccaaa gcaatgagct tgttgtgact 720
gtgattttat tcttctatag tattttttc ctcattttaa ctgagaggag aaaataatac 780
tcttttgcaa tatccttagg ttctccccct ccccctggtg cccccttctag tgtcttaaga 840
ctttgtctta acaagtataa cattacattt tgttgttaaa acctttcgaa actgtattca 900
gtgattcttc caagtttatc tgctctgcac tatttcacta ataaaccctg gctaccacgt 960
agcccttgat ctccaagtag tttacctatg caagacctgt gacactctga attcacttct 1020
ctttctttca gaaagtagtc ataaatggag cttaattata aaggtaaaac ttgtctccaa 1080
ccagtttcat tttggccatt tcttttcaa aatgtcagct gttttcctcc aagatttttc 1140
accaaaacaa tgatcataag tgctggaata tataatactt tgcaggcata aaataaccca 1200
gacatactct catatttctt tggtgtattt tggttggtaa aacttaccag cattaaatgt 1260
aaaatataat gaggagttaa ttccttacct agaactattt cttccttta agattcataa 1320
gtaaccttt attttacag agctacgtat aacttccaca ttacagtcag ggacctgagg 1380
tgtaacttac taagtgaacc ccaaggttat tttatcttgc aaaagaaacc taaaccaaac 1440
taagggcctt acagtttatg gttagactga atcaaaagct ataacctcaa ttttccaaa 1500
aacagcttct gactgcaaaa gcaagtcata cagttgttag gtatgaaata gcactgatca 1560
ggaaatgcat cttcgcagat ggtatttcct tcagaaaaga cttttctact tttaatataa 1620
attaagccat aacagtttca tgctgtggaa agagggtgaa aaggttcatt ttaagagatt 1680
atataatatg aactttcaca tttactgtga aatgctaac tttgccagtg cttcagcaag 1740
ttttttttggg ggggtgatgg gggaggggta gtattgggtt ttwggaggkt ttccaaatct 1800
gtggaacttt gggagagggg acagttgttg g                                 1831
```

```
<210> 156
<211> 1186
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1045)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1078)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

```
<222> (1118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1134)
<223> n equals a,t,g, or c

<400> 156
ggcacgagcg ggcctggccg aggttcgggc tccgttggcc gagggggcg tacggaggtg 60
gcagctgtgg gaggaggcgg cgtggaaggc cgaggagctc aagcccggac caatccccac 120
gttccgggcc gcgaccctga ccctgcagcg taccgggaag cgaaaccggc cggatgggcc 180
gctgagcccg aatcgggcac tgtgtggagc ccctggagc tgagatcagg atgttccgct 240
tcatgaggga cgtggagcct gaggatccca tgttcctgat ggatcccttt gctattcacc 300
gtcagcatat gagccgtatg ttgtcaggtg gctttggata tagcccccttc ctcagcatca 360
cagatggcaa catgccaggg accaggcctg ccagccgccg gatgcagcag gctggagctg 420
tctcccccctt tgggatgctg ggaatgtcgg gtggtttcat ggacatgttt gggatgatga 480
atgacatgat tggaaacatg gaacacatga cagctggagg caattgccag accttctcat 540
cttccactgt catctcctac tccaatacgg gtgatggtgc ccccaaggtc taccaagaga 600
catcagagat gcgctcggca ccaggcggga tccgggagac acggaggact gttcgggatt 660
cagacagtgg actggagcag atgtccattg ggcatcacat ccgggacagg gctcacatcc 720
tccagcgctc ccgaaaccat cgcacggggg accaggagga gcggcaggac tatatcaacc 780
tggatgagag tgaggccgca gcgtttgatg acgagtggcg gcgggagacc tcccgattcc 840
ggcagcagcg tccccctggag tttcggcggc ttgagtcctc aggggctggg ggacgaaggc 900
ggaggggcct ccccgcctgg ccatccaggg acctgaggay tcccctttcc cgacaktccc 960
gccgytatga ctggtgaggg ccccgggcct caagcctctt ctttgtaaca ggctgagagg 1020
ctgagaaatc aatcccctga ataanttttc cctctccgat tccccatccc ccaatttnat 1080
aattaaattt aaacagggaa agccgggccc ccaactgntt ccttgggggt cttnagggga 1140
gaacttttaa cgggaccttt ttccctaact ttttccttct ttaaaa                1186

<210> 157
<211> 1448
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<400> 157
ggcctgaacc cggggctggt gggcctttct gtgtcctact ccttgcaggt gacatttgct 60
ctgaactgga tgatacgaat gatgtcagat ttggaatcta acatcgtggc tgtggagagg 120
gtcaaggagt actccaagac agagacagag gcgccctggg tggtggaagg cagccgccct 180
cccgaaggtt ggcccccacg tggggaggtg gagttccgga attattctgt gcgctaccgg 240
ccgggcctag acctggtgct gagagacctg agtctgcatg tgcacggtgg cgaraaggtg 300
gggatcgtgg gccgcactgg ggctggcaak tcttccatga ccytttgcct gttccgcatc 360
ctggaggcgg caaagggtga aatccgcatt gatggcctca atgtggcaga catcggcctc 420
catgacctgc gctctcagct gaccatcatc ccgcangacc ccatcctgtt ctcggggacc 480
ctgcgcatga acctggaccc cttcggcagc tactcagagg aggacatttg gtgggctttg 540
gagctgtccc acctgcacac gtttgtgagc tcccagccgg cagcctggga cttccagtgc 600
```

```
tcagagggcg  gggagaatct  cagcgtgggc  cagaggcagc  tcgtgtgcct  ggcccgagcc  660
ctgctccgca  agasccgcat  cctggtttta  gacgaggcca  cagctgccat  cgacctggag  720
actgacaacc  tcatccaggc  taccatccgc  acccagtttg  atacctgcac  tgtcctgacc  780
atcgcacacc  ggcttaacac  tatcatggac  tacaccaggg  tcctggtcct  ggacaaagga  840
gtagtagctg  aatttgattc  tccagccaac  ctcattgcag  ctagaggcat  cttctacggg  900
atggccagag  atgctggact  tgcctaaaat  atattcctga  gatttcctcc  tggcctttcc  960
tggtttcat   caggaaggaa  atgacaccaa  atatgtccgc  agaatggact  tgatagcaaa  1020
cactgggggc  accttaagat  tttgcacctg  taaagtgcct  tacagggtaa  ctgtgctgaa  1080
tgctttagat  gaggaaatga  tccccaagtg  gtgaatgaca  cgcctaaggt  cacagctagt  1140
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gcactgtttt  caaataacga  ttttatgaaa  tgacctctgt  cctccctctg  attttttcata  1260
ttttctaaag  tttcgtttct  gtttttttaat  aaaaagcttt  ttcctcctgg  aacagaagac  1320
agctgctggg  tcaggccacc  cctaggaact  cagtcctgta  ctctggggtg  ctgcctgaat  1380
ccattaaaaa  tgggagtact  gatgaaataa  aactacatgg  tcaacagtaa  aaaaaaawaa  1440
aaaaaaaa                                                                1448
```

```
<210> 158
<211> 1004
<212> DNA
<213> Homo sapiens
```

```
<400> 158
ggcagagctc  cagactactt  taaatgtctc  tsctctgact  gaattgaagg  aattgtaagt  60
ttcagttgct  gaatatatca  gtatatctga  actccggatc  tttttatttc  ctattttttgg  120
cttcctacat  aaattaataa  agtctgtcta  tatttaaggt  ttctgggagt  agttttgtct  180
atatttaatc  catagatgtg  ctcctagtca  tcagtcttat  ttcagtaaaa  ccatctttct  240
ggccaaatct  ctaacacgtt  ttttacttca  gtagtgaggg  caatgagaag  ctttattaag  300
aaagatccta  tttaaagggc  taatttggta  ttgaaagcat  gctgatataa  agtccagtat  360
ttgaggatat  aaagaggatg  tgcactgagc  tgtgctgatg  ttcagcattt  attatacttt  420
aatgggatag  tgcttcttga  ccattataga  acaacaaact  gtcaaagggt  taatacagat  480
gacccagacc  tgacattaaa  tcctcttgat  tagaaataat  taaatgaatt  atttattcat  540
ttctctcctc  tgccaaatct  acttagcccc  acaaaaatgc  cccagctcag  ttaacatttt  600
tttgttttttc  actttaggta  tctcttaggc  aaatagagat  ataaattgta  ataggaaaca  660
gtctctaaat  gtgaggctga  atacagcttc  agtctggctc  tctaatagga  caaaagccag  720
tccatgtgtt  gtctctmact  gatttagctt  tttcttttct  ttgaacaatt  cggcatgaat  780
tgaaaccagg  ttttcctgtg  gaaagttata  gcttgattgg  gagatagaag  ttgaattgag  840
ttctttcttg  caactcttag  tgtttatttt  tatatctcag  taagacgagg  ataccttcag  900
tttgaatctg  cataatgttc  actgccaaac  tccttctcat  ttaatgctta  tggccttcac  960
atttctgtat  aataaagatc  aattatcagc  tmaaaaaaaa  waaa                    1004
```

```
<210> 159
<211> 1509
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<222> (1420)
<223> n equals a,t,g, or c
```

```
<400> 159
```

```
agagagagag actagttctc tcttactcct aggcctttcg gtttgcgcga cgggcaggaa 60
agcgtgcgtg cggctaagag agtgggcgct ctcgcggccg ctgacgatgg aagaactgga 120
gcaaggcctg ttgatgcagc catgggcgtg gctacagctt gcagagaact ccctcttggc 180
caaggttttt atcaccaagc agggctatgc cttgttggtt tcagatcttc aacaggtgtg 240
gcatgaacag gtggacacta gtgtggtcag ccagcgagcc aaggagctga acaagcggct 300
cactgctcct cctgcagctt tcctctgtca tttggataat ctccttcgcc cattgttgaa 360
ggacgctgct cacectagcg amgctacctt ctcctgtgat tgtgtggcag atgcactgat 420
tctacgggtg cgaagtgagc tctctggcct ccccttctat tggaatttcc actgcatgct 480
agctagtcct tccctggtct cccaacattt gattcgtcct ctgatgggca tgagtctggc 540
attacagtgc caagtgaggg agctagcaac gktacttcat atgaaagacc tagagatcca 600
agactaccag gagagtgggg ctacgctgat tcgagatcga ttgaagacag aaccatttga 660
agaaaattcc ttcttggaas aatttatgat agagaaactg ccagaggcat gcagcattgg 720
tgatggaaag cccttttgkca tgaatctgca ggatctgtat atggcagtca csacacaaga 780
ggtccaagtg ggacagaagc atcaaggcgc tggagatcct catacctcaa acagtgcttc 840
cctgcaagga atcgatagcc aatgtgtaaa ccagccagaa caactggtct cctcagcccc 900
aaccctctca gcacctgaga aagagtccac gggtacttca ggccctctgc agagacctca 960
gctgtcaaag gtcaagagga agaagccaag gggtctcttc agttaatctg ttgtggcctc 1020
agctgctgag gatggacttg gagaayagct tccaagcttc accttgaaag aagcttacat 1080
ggcagcaata tttctaaaat agtgatacag tcagaggcct cctgtaaggg cgagagaact 1140
gaagttgatg ttgacaggcc cacagggaat tggccttccc tgttcaagtg gaagccagtc 1200
tctgagaatc ccgtgctctc ctctcttttg gtggaggttc tgtaggttca ggtttctacc 1260
atggacttta ggtatatagg gcaagtcagc aagaaagcac cacacactca ggaagccttg 1320
tctacctttc cctagcgtct ctagccagcc agccccagat actcctcaga gacccacttc 1380
tctcttttgc atggaataaa aagcactcac agtgccctgn cttttgggat tacttatggc 1440
tgtggaactt catgaaccca atttcacttt ccttcactgg gttcccaccc cattgttgtc 1500
tctgggatg                                                       1509
```

<210> 160
<211> 2160
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<400> 160

```
gctcgtgccg tggatgcggc tctgcaggat gaagatgaga tacaggtgga tgcatcatca 60
tttgaaagca ctgcaaataa gaaatcctcc tcctcttcct caggaacccc tgcatctcag 120
ctttatccac agtctcgggg gctggttcca aagtaaagcc agcttctcct ctcccaggggc 180
ggaaacagca tttgccttct gagagaagag actagcaaaa agctgcagag aggattcggc 240
ccaaactcag aactgttccc ctgaggagaa gcggtggcct ctttgcagat caaccaactt 300
aatctggttg aacgtgctgt tcctaatctg gcactcagcc cctctgggaa acatctttta 360
attagcatct cagaaatgca tgggtaaggt aaagtgcgat agttcaagtg gaaagcaaga 420
gaatgaccag tgaccttgct tccttccccc ttgccttctt ctcccccttn ccctgtgctc 480
cctttctctc ctctctcctt ttctagcctg ttcttwacat ggggctccct tcttgttgaa 540
caatagggca gaatcaggrg tcaccttagc aggaccacat ctttggagcc tcgggataaa 600
atgacagtga ggttgaaaag tgaaaaccct aggaacttga ataggtgcct gttcttgtag 660
ggagaaatga gaaatcgcat ttggatccag gccccaggtg ggcaccatca gcagtcttgc 720
ttccatgcac ctcagtaaga agtggatctg cctttgggac ctgctcagtg aggaaatctc 780
```

```
ttccaatttc tgcttctgaa tgattcaatg ttgggagcaa tagaaataac attccctttg 840
ccttctctga gtgtttaggg aaatagcttc tttaaaacct caaaaccatg accatcctgt 900
caaagaccta agtctgtaag ctggtgccat gtccatacac catgtcactt tactcttcat 960
ttgtcaccat cttttcccat gcacgcatac tctgaacatc cttgtgtggg cccatcctct 1020
gcatccagag catgctctgc agtgggcctg ttttgtggaa gaaaggaggc tgtctctgcc 1080
ttctctgatg ggactggagt tgagggaagg agctgtattg tggcacttct gaattccccg 1140
ttttgttcca tattggtata gagagcagaa gagtagctag gcagatgcag agatggagac 1200
atgagactca gtgcagtggg cagggaagac ataacagatg gaagcaaagg aatcctgcct 1260
gccttcagca gagaattcac cgaatcctag aactgtggct ccctccaggc agagcctaag 1320
atgctggtga agaatagctg tgtgattgaa taggctcaaa ggagagttca gaattcccat 1380
ttacatatta ctagtttggt ttgtaagttt tagttccttg tattattgag attcagagct 1440
tcattttatg ttggtcatta ggtgaatatt actcattttc cctcaagaga agctcataag 1500
tgtgtgtggg tgtgagagca cgatggtgcc tgtgttctgt gaatgtgtcc atatgtgtct 1560
gtaagagaga cagagaccaa gaacttgccc aattttagaa atacactaat gtgcagttgt 1620
tgccttttgt ctgtattgaa ggcccattga atgactaatc caggctggaa gcattcccat 1680
gtgggtgtct gagtccatga gccaagcctg aggggacagt gagtctccag gtctgccaca 1740
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atattttaac tcagctgctc agttcccagg gcacatttct ggatcagaac ccatgggaaa 1860
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cttatctcct ttttagtaac ccttctttct gaacccaggg ccctttcag ccttccctca 1980
tattttcttg agatcaaact ttacttcttt cttatttact aagaatttgc ctgtttgaat 2040
aagaacaaaa cgctaaggtg ggtagcctaa gctgattttc tgctggttac acgtgtctct 2100
cacaccacat ttcctcaaag ctaatctgaa ttctgtaggc taaaaatatt catgtagcaa 2160
```

```
<210> 161
<211> 3609
<212> DNA
<213> Homo sapiens
```

```
<400> 161
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ttgctgcgtt taaagaaaca aatgagagta ttttgtcaga tatgtcaaca ttacctgacc 180
aacgtgaata ctactgttaa ggaacaggcc ttcactattc tgtgtgatat tttgatgatc 240
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gattcttcat tgcagtctga gttgctcagc tttattttgg atcatgtctt cattgaacag 360
gatgatgata ataatagtgc agatggtcag caagaggatg aagccagtaa aattgaagct 420
ctgcacaaga aagaaatttt acttgcagca ttttgtaagc taattgtata tactgtggtg 480
gagatgaata cagctgcaga tatcttcaaa cagtatatga agtattataa tgactatgga 540
gatatcatca aagaaacaat gagtaaaaca aggcagatag acaaaattca gtgtgctaag 600
acccttattc tcagtctgca acagctttta atgaaatgat acaagaaaat ggctataatt 660
ttgatagatc atcctctaca tttagtggca taaaagaact tgctcgacgt tttgctttaa 720
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tagaatttgc ttttaaagag cctaatccgc aaggggagag ccatccacct ttaaatttgg 840
catttcttga tattctgagt gaattttctt ctaaactact tcgacaagac aaaagaacag 900
tgtatgttta cttggaaaag ttcatgacct ttcagatgtc actccgaaga gaggatgtgt 960
ggcttccact gatgtcttac cgaaattctt tgctagctgg tggtgatgat gacaccatgt 1020
cagtcattag tggaatcagc agccgggggt caacagtacg gagtaaaaaa tcaaaaccat 1080
ctacaggaaa acggaaagtg gttgagggca tgcagctttc actcactgaa gaaagtagta 1140
gtagtgacag tatgtggtta agcagagaac aaacactgca caccctgtt atgatgcaga 1200
caccacaact cacctccact attatgagag agcccaaaag attacggcct gaggatagct 1260
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```
tcatgagtgt ttatccaatg cagactgaac atcatcaaac acctcttgat tataatcggc 1320
gtggcacaag cctaatggaa gatgatgaag agccaattgt ggaagatgtt atgatgtcct 1380
cagaagggag gattgaggat cttaatgagg gaatggattt tgacaccatg gatatagatt 1440
tgccaccatc aaagaacaga cgagagagaa cagaactgaa gcctgatttc tttgatccag 1500
cttcaattat ggatgaatca gttcttggag tgtcaatgtt ttaataccag tacacaatta 1560
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ccctaccctg aagaaagtgt aggatagaat tgtttttagc attctaaatt taaatgctta 2040
aaacgtcaat caacaaaact ttgttttaaa tattgtaatt gtggagaaaa gtaaacttat 2100
aagcagaact tttacaattt tttcatctaa aagtatttta agatattttt aaaatccaag 2160
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gaatagggat ctaaatttta aataaaatta tatatatata taaattggtg ctgattttat 2460
aattgcgcag tttgtttagt tttttcttac ttttaaattc caacttaaaa ttatgaggtt 2520
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gctttcagtt tttagtcaga aatcaagcat tgggctgtgg tagccaaaaa ccataggtta 3060
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gttttacaca ccactgcatt aactagaact gctgagagga ctgtatatat gattttaaac 3240
ctaagttgat ttttttttctc actcttgaaa ggagtacttc tttgtgaaag cagttcttac 3300
agctttgttt tcaaccagct aaaaatgttt tatatattac tctaacctgt tgtcctccac 3360
attctattgt cctaattgta ctgttttctg atttgtattt atgtcttgag acagtaactt 3420
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aaaaaaaaa                                                         3609
```

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<210> 162
<211> 1603
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1600)
<223> n equals a,t,g, or c
```

```
<400> 162
gttcaggaga gatcacgctg ctgccctccc gggacaaccc ccgtcgcctg cgcgtgctgc 60
tgcgctacaa agtgggagac caggaggaga agaccaaaga ctttgccatg gaggactgag 120
cgttgccttt tctcccagct acctcccaaa gcagcctgac ctgcgtggga gaggcgtagm 180
gagtcggagg ggaaagggag atcccacgtg caagtagggg gaatatctcc cccttttccc 240
tcatagcctc tagggaggga gagtgacttc attctccatt tkaagagatt cttctggtga 300
tgtttactta aaaagtgatc cccctcaaca acggatacag cgtgcttatt attgggcatt 360
tagcctcaaa agcatgtagt accaagcact tgtatttccg tatattttgt ttcgcggggg 420
agtgaggggg aagaacacgg atgaaaatgt cagtttttga agggtccatg cacatccctg 480
acacctcaca ccttatctaa gtctgaagct ggggagaaag gggttcattt agacttcata 540
catttccagt acgactttag tatctctcca gagccatatt ttctcagtcc gaattaattc 600
cccctcccta ggtgcctgta ggctatggta cttcttcctc attgttttct aggtaaactt 660
cactactggt aattaagggg aaggatatga ggaagcagtt taaatagccc tgttctcatt 720
actctgacca catacatcat agggtgctaa agttgatgaa cacattaatc cgttaagtaa 780
aatggacttt gtaattgtac agcatcctaa agaaactcag aaggtgcatt taagagagag 840
acctgaaaga aatagtatgg atttttaaaa attcttgtct ctactattat aaccaaaaaa 900
tatttcttgt atgtcccata aaaatatttg kgtaattctt atgaaacagg ctggtagagg 960
aggtttctga gcctagccca agggcttatt catcaccatg ggtaaattat ttaaactcac 1020
ttaattaagg aaaatatttt cccagctaga aaagtatact cattctcatt taaactctct 1080
catttggagg gatcatgtga gttggcctac ttacaagtag tgaaagttcc cttttcagtt 1140
ttgttttgtt ttgttttgtt tttctctttc actcagccaa atgtgaaagt tgtgaattta 1200
ggaaaatcac ttgtaatgaa gtgtgaatct tgttatcaaa tttatttctc tgatgtttcc 1260
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agtcttgtgt gctgtgagtt ataatgcttt tgccttttta atattattag ttcttaagtg 1380
ttacagcccc ttcagaatat aacttcagga caattcaaac tatgcttaat gtatgatttt 1440
cgagcttctg tatgctaaga aaataggtgt gaaaaactgg tgttctgaaa tagcctaaca 1500
tttattgtaa ttctgaattt tctgcccttt tattcattgc atattaaagt attagagtat 1560
aaaaactaaa aaaaaaaaaa aaaaaaaaa aaaaaaaan ccc                       1603
```

```
<210> 163
<211> 853
<212> DNA
<213> Homo sapiens
```

```
<400> 163
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aaacttccat tagcctgcaa ttaggcaaaa tcatcaaaca taaaccatc aaacataaaa 120
tatttataaa gtgttgaata tctcatatag tttattgaat acctgcatcc aaaagatgct 180
ggcaacacag cacactttag agcattggtt gtttactctc ttgatggtat ggctgcccag 240
catcaagagt tatcatactg caaatcgata gcccaggaaa agagcaaaat tcaaagttca 300
aagtagagtt tttactgaat gcttgctttt gcaccgtcgt aaagttgaaa agaatttaaa 360
ttgaaccatc ataagctgca gactgtgcat tttatattga aaagttaata tttttaattt 420
ttaatgcaga gaagtaccca aagcataaga acacaacaca ttttcacaaa gcaaacacag 480
ccatggaacc agcacccata tcaactaaca aaatactagt ttgggctttt ttgtacttta 540
tacaaatgga ctcatataat gttcatcttt tgggtctgcc tgctttcatt caatattagg 600
tttgtgggtt catctctgct gtgtgtagtt ctttcctgtt ctttatacag tgttccaaag 660
tatagtatat tacagtttac ccattctact cttgatagta aatgttttca catttgggct 720
attacaaata gtgctgcagt gaacattcac atacacatct tttggtgaac atgtgttaca 780
tttccaagta caattgctgg gtgatgagta tgcatactct taaaacatgg ttgtaccaat 840
ttacacctct acg                                                      853
```

```
<210> 164
<211> 1917
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1856)
<223> n equals a,t,g, or c

<400> 164
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aacagctcca agacaacatt aattccagct atacgagaag tttcttcaca ggtataagat  120
gatctctgaa ttcacctggc ccaaccatga ccttccttca gacaaagagg ctgtcaagaa  180
actaattgaa cggtgtggtt ttcaggatga tgtagcttat gggaagacca aaattttcat  240
tcgaacaccc cgaacattgt ttaccttgga agaactccgt gcccagatgc tcataaggat  300
tgtcctcttt ctacaaaasg tgtggcgggg caccckggcc cgcatgcggt acaaaagaac  360
caaggcagct ctgacaataa tcaggtacta ccggcgctac aaagtgaagt cgtacatyca  420
cgargtggcc agacgcttcc atggcgtcaa gaccatgcga gactacggga agcacgtgaa  480
gtggccaagc cctcctaaag ttcttcgccg ttttgaggag ccctgcaga cgattttcaa  540
tagatggaga gcatcccagc tcatcaagag cattccggcc tcagacctgc cccaggtcag  600
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cgtcacctgt ataaaatgga tcccactaaa cagtacaagg tgatgaagac tatccctcta  900
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gccccatagc cacctctytt gcccaaggtg agccagccct ggggacccag ctcagggagg 1680
ctctgctcag agttcggcgg acccacccca acccaactcc cagccgccag ccaaagccac 1740
tgggtgagca gagtcacccca caggccagc ccctcagcca ggagccagtg gaggagcgga 1800
acagcccatc cagcagagtg agtccatcct tcccaggttc tcccctggga gactcncttt 1860
gccaccaagg cccccaccag ggctctgacc accgctctgg agaggacagt gtggcat      1917

<210> 165
<211> 2420
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<212> DNA
<213> Homo sapiens

<400> 165
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gaaaacataa attttcctgc tgaagaagag aaaatcttgg agttttggac tgaatttaat  180
tgttttcagg aatgcttaaa gcaatcaaaa cataaaccaa aatttacctt ctatgatggt  240
cctccttttg caactggact gcctcactat ggacatatac ttgcgggtac aattaaagat  300
atagttacaa gatatgctca ccagagtggg tttcatgttg acagaagatt tggatgggat  360
tgccatggct tacctgtgga atatgaaatt gataagacac tgggaatcag aggaccagag  420
gatgtggcca aaatggggat tacagagtat aacaatcagt gccgagcaat tgtgatgaga  480
tattctgctg agtggaagtc tactgttagc agacttggcc gatggattga ctttgacaat  540
gactataaaa ctctgtatcc acaattcatg gaatcagtct ggtgggtctt caaacaactc  600
tatgataaag gccttgttta tagaggtgtg aaagtcatgc ccttctctac ggcatgtaac  660
actccacttt ccaacttcga gtcacaccag aattataagg atgttcaaga tccttcagta  720
tttgtaactt tcccctttgga agaagatgaa actgtatctt tagttgcttg gacaaccact  780
ccctggactc tacctagtaa ccttgctgtg tgtgttaatc cagaaatgca atatgtgaaa  840
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gtgcttgttg acaactatgt gaaggaagaa gaaggcacag gggttgtcca ccaagctcct  1080
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cttctggttg ccaccaccct cactcacagc tacccttttt gctggagatc agacactcct  1320
ctaatttaca aagcagtgcc cagctggttt gtgcgagtgg agaacatggt ggaccagctc  1380
ctaaggaaca atgacctgtg ctactgggtc ccagagttgg tacgagaaaa acgatttgga  1440
aattggctga agatgcacg tgactggaca atttccagaa acagatactg gggcaccccc  1500
atcccactgt gggtcagcga tgactttgag gaggtggtat gcattgggtc agtggcggaa  1560
cttgaagaac tgtcaggagc aaagatctca gatctccaca gagagagtgt tgaccacctg  1620
accattcctt cacgctgtgg gaagggatcc ttgcaccgca tctctgaagt gtttgactgt  1680
tggtttgaga gtggcagcat gccctatgct caggttcatt acccgtttga aaacaagagg  1740
gagtttgagg atgctttcc tgcagatttc attgccgagg gcatcgacca aaccagagga  1800
tggtttata ccctgctggt gctggccacg gccctctttg acaaccgcc tttcaagaac  1860
gtaattgtga atgggcttgt cctggcaagt gatggccaaa aaatgagcaa acggaaaaag  1920
aattatccag atccagtttc catcatccag aagtatggtg ctgatgccct cagattatat  1980
ctgattaact ccctgtggt gagagcagaa aacctccgct ttaaagaaga gggtgtgcgg  2040
gacgtcctta aggatgtact gctcccatgg tacaatgcct atcgcttctt aatccagaac  2100
gttctgaggc tccagaagga ggaagaaata gaatttctct acaatgagaa cacggttaga  2160
gaaagcccca acattacaga ccggtggatc ctgtccttca tgcagtctct cattggcttc  2220
tttgagactg aaatggcagg tgagtctctc ttggtctgtc ctcccaggaa taaggactat  2280
tctctttgta ackgcccttt tgatatttaa tagtggaaat attgagagat acagamaatt  2340
aaataattgt ttccttttac ctctcatata gttttgttaa ggcttgttaa ttgtcgtgat  2400
atctttgttt aagacctggg                                            2420

<210> 166
<211> 2061
<212> DNA
<213> Homo sapiens
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<400> 166
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cttctcgcgc acggcccggg acaaccggct cggctgcatg ttcgtgcgct gcgcgccctc 180
cagccgctac acgctgctct tctcgcacgg caacgccgtg gacctgggcc agatgtgcag 240
cttctacatt ggcctcggct cccgcatcaa ctgcaacatc ttctcctacg actactcggg 300
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tggmaggcgc tgcgcacccg gtatggcgtg agtcccgaga acattatcct ctatggtcag 420
agcattggga ctgtccccac ggtagacttg gcctcgaggt atgaatgcgc agggtaattc 480
tccattcccc tctgatgtct ggtttgcgtg tggctttttcc ggataccagg aaaacatact 540
gctttgatgc tttccccagc attgacaaga tatctaaagt cacctctcct gtgttggtca 600
ttcatggtac agaggatgag gtcatcgatt tctcccatgg cctagcgatg tacgagcgct 660
gtccccgagc cgtggagccc ctttggkttg aaggggctgg gcataatgac atagagcttt 720
atgcacaata cctagaaaga ctaaacagt tcatatctca cgaacttcct aattcctgaa 780
gacaacaact tgatcttacc tcatttactg tgaacagaag agtcctctgt tttgcacatg 840
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cacacaacac gttaaactga acagtcgtga ttcccagctt cattaccttg caggaatggg 1020
aatgagagct gaatgtaggg acaattttct agtgctgtat aaagtagcct cgcatctgtt 1080
tctcaacctt atccatcatt tctgacattc atgcaggact tgccctgttg ccaccaatgt 1140
tctcggtatt tcacatgcag ctctctttct gccactggat acatgggttc aatccatttg 1200
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ttaacatgct gatctttccc ggacaaatga actgaagggt aatttactgg aactctcgtg 1320
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ttgaatacat tttgttaata tgtttttatt cctatgtttt gctattaaaa attttataac 1680
atttccaaga caaaaattcc aagtttatgc tttgaagaat ttatgtaatt aaaatttcac 1740
taaactaatc tttttagttt aggaattatt tgggttttga cactggaagt tgcgccaaat 1800
aagcatcaga aataggagat gcttaacatt gctatactac ttgtgttggt tagggggtttg 1860
gatttggggg ttctttggtt ttaatttttt tttccacatt taaaagcctt aaatgtactg 1920
taagcctcag atcgttgtac aactggactg cggttgattg ccagtttgtg tactgttgct 1980
tggatgcggc acagtggttg gtaatggaat aaaggatgca tggatcagaa aaaaaaaaaa 2040
aaaaaaaaaa aaaaaaaaaa a                                          2061

<210> 167
<211> 2567
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<400> 167
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acagccgggc gcancggcgg yacaggggcc cccgccggcg cctcagctca cagagacgct  120
gggcttctac gagagcgacc ggcggcggga gaggcgscgg gccgcacaga gctttcattg  180
ttgaggttcc tcagtgctga actaacaaga gggtacttcc ttgaacataa tgaggccaag  240
tatacagaaa gaagagaaag agtatacact tgtttgcgaa taccaagaga attggaaaag  300
ctgatggttt ttggaatctt tctgtgcctg gatgcgtttt tgtatgtgtt caccctgctt  360
cctttaagag ttttcctggc actattcagg ctcctcactt tgccttgcta tggcttaagg  420
gacagacgtt tgcttcagcc tgcccaggtg tgtgacattt tgaagggtgt cattttggta  480
atctgctatt ttatgatgca ctatgttgac tactccatga tgtaccacct gataaggggg  540
cagtccgtca tcaagctcta catcatctac aacatgctgg aggtagctga tcgtctgttt  600
tcatcttttg gacaagacat attagatgct ctctattgga cagcaacaga gcctaaagaa  660
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<211> 2324
<212> DNA
<213> Homo sapiens

<400> 168
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```

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<210> 169
<211> 1784
<212> DNA
<213> Homo sapiens
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<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1759)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1778)
<223> n equals a,t,g, or c

<400> 169
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tgtgaaagac actcttcaga gtgagctagt aggccagctg tataaatcat ccttattgga 660
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caacmaaata tatttrttna gratagtatg aaagtcangg gagg                1784
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<210> 170
<211> 1296
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1261)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1276)
<223> n equals a,t,g, or c

<400> 170
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cctcggtcgc aagctgcgat gccgcagtgg ctcagtgctt cctggccgag aacgactggg 180
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gccaagagat tattcctttt ccaagtacca aaatgatgag aaacctttta tgtgtgcatg 660
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gwactagatc attgtcacag aaaaaccaac tatgatttat ggkkgtgttt tcmccaryat 1260
nagacggaaa gacccncccc ttcttccccc ccccct                           1296

<210> 171
<211> 1897
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (952)
<223> n equals a,t,g, or c

<400> 171
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cggagtggga agtacatgtg tcgtatcata gttcatttta tgtgggagga tgttcagcag 180
cgcgcagagt catggggggtt aatccctata tcctgaagaa gaacatgatc ctcatgacaa 240
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tggccgctgc cctctggaga accttcttca accggaaatg tgaagaccct cgacatcttg 360
aattgctggt agagtatgtg aggaaacaga tacagtacct ggactccatg aacggggagg 420
atctgcttct gacaggggag gtgagctggc gccctctagt ggagaagaat cctcagagca 480
tcctgaagcc ccattctccg acttacaacg acgagggact ttgatgggct gggcctccgc 540
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caggaatttg ctgattaatt tattttttaat ggagtgaagt ataccatgca ccaaaataaa 1860
ctttactgtg tgtacctaaa aaaaaaaaaa aaaaaaa              1897
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<210> 172
<211> 1723
<212> DNA
<213> Homo sapiens

<400> 172

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gacatcgaca ctcatacagc caagtatgac ccttccctga gcccctgtc tgtttcctat 360
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gactctcagg acaaagcagt gctcaaggga ggacccctgg atggcactta cagattgatt 480
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128

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agtgctgact tcactaactt cgatcctcgt ggcctccttc ctgaatccct ggattactgg 780
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<210> 173
<211> 1416
<212> DNA
<213> Homo sapiens

<400> 173
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gaaaagttac ttgtaaatct ttagaccttt gttgtcactt aggctgggga gtcactaccc 240
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tagcagatgt tcatttggtg gaaattctta ttacttacat gaatgagttt gaatttagtg 480
gcaaggaaga aaaaaaaaac tcaaattatt gttttaaaag aagaaaactt gcaaagtaca 540
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<210> 174
<211> 1956
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<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<400> 174
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aacaagacca  caggaaggtt  atctgatggt  gcaacagttt  cagtacctag  gatgggcttc  180
tcatcgagaa  gtgcctggtt  ccaaaaggtc  attcttgaaa  ctgatacttc  aggtggaaaa  240
gtggcaggag  gaatgcgagg  aaggggaagg  ccggacgatt  atccactgcc  taaatggtgg  300
cgggcgaagt  ggcatgttct  gtgctatagg  catcgttgtt  gaaatggtga  aacgggcaaa  360
atgttgtcga  tgttttccat  gcagtaaagr  cactgaggga  acagcaagcc  aaacatggtg  420
ggaagccccg  gagcaatacc  gtttctgcta  tgatgtagct  ttggagtacc  tgggaatcat  480
cttagttggg  tgagactctt  taaagtgcat  ccatgaagra  acctgtccat  ctattgagcc  540
agcagctgtt  gtacctgtta  cacttgtgca  gaaagatttt  aatgtggggg  gtgggagact  600
tttacatttg  agaggtaaaa  gtattttttt  tatgaagttg  tgtatcttaa  taaaaaggac  660
tgaattagtt  tttattacta  tattaaagca  tcaacatttc  atgccacata  aattatattt  720
aataagaacc  agattgaaat  gagaacgtat  tggtgtttgt  acagtgaaca  tgccaccttt  780
tttctcatgg  tttcagtaga  gcagctacca  catgttgcat  gagttcatac  tttctacgtg  840
gcatttttct  ccctttctaa  aatgaaagct  gatgaatctt  aaaaggaaga  agaaaagaaa  900
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tataaatata  taaatatata  taactggctt  attttctttt  aatgtgcaat  gatggctgga  1020
tcattttaaa  aaaaagggt  tcttttttaga  aaataacata  agccaaagac  tcaagtgtaa  1080
atatgtctat  atggagaaag  cacattatat  ttattggtta  cttacattcc  tttttttgatg  1140
gctaaaatac  taccaccaca  caatcatctt  tttttttcctg  aagaaagctt  tttctttagc  1200
taaaatcaat  tgtaaacgat  ttttgtagat  tatttttttgt  atgttttagt  gtaagtagaa  1260
gataaacttt  ttattcataa  accaggaagc  aatgttcttt  atagtgattc  tcttgtgtac  1320
atgcttgtga  attaaatttg  tgtaaaatcc  cttggcaatt  gggtctttta  atataggacc  1380
aaattaaaac  attttgctga  atatgtatag  tttttcacaa  tttcattagg  taaataatgg  1440
tttggtgatc  atacatgaga  aatgtacaca  ttaaaaggcc  ttgctgacaa  cttgcacaat  1500
gttgaacata  gcctttaagc  atcatttaaa  ttttaaagga  atggagtttt  tcagcctgtg  1560
gcccagcact  ggtcaagaaa  acaagatggc  aacatatatg  ctttcagggt  caaatttgag  1620
```

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caaactgtaa actgtcaggg tgataaaatg tttctcttga tgtttacatg cacaagcttt 1680
gcgttctgac tataaaaagt gtgaacaaat caatgccaga ttcctgtttt gcgcattgtc 1740
atgggattct taagtgaacc tttctaaatg tggtcttgtt cacatgctcc acgtagctgt 1800
aacttcacat catcagcttg cagtttgtaa ttgactaaag cattccagtg tcctctttct 1860
agattgccag ctcatgacat ggtgcttata aagatttaat taaagtaaga atgaaataaa 1920
gtttttataa ttataaaaaa aaaaaaaaaa aaactc                            1956
```

<210> 175
<211> 1689
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1688)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1689)
<223> n equals a,t,g, or c

<400> 175
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ggctgcaggt cgacactagt ggatccaaag aattcggcas akctcttatt cctcactttc 60
cacccccgta ttttgtaatg accatgagca atgttttttac tttttgtata atggggtggg 120
gtggagtggg ggcttctgag agtcagcctg aggtctttag aggaccagct attgtagcac 180
cttggatact tgaagtttaa tgctcagttg ggtcgggtgg cagttgactt ggtggctggc 240
atgttcagca gtgcctgggg ccctgtttct gggcagcctt tgaggatttt ctatgatatt 300
gaatgacagt tttaagtggc aactcaggcc cagctcatgc ccttttttgc ctggacatgt 360
gctatttta ttcacttata tatcaattac ttgtaagggt taaactttca aacaggaagt 420
atattgggac aaaagggctc ttggggatta gatatccctt taatctgtga ccattgggca 480
aaaaattttc ctgcagcaaa agtctgaggc tgttgggacc atttttgcag ctttaatcct 540
tagcctcttt tgactgtata tttgtgttta aaatgcagag ctcaactgaa tatttccttt 600
tttgttttgt tttgttttgt tttaagaagt aggttgtttt cctgaaccgt aaacttgtat 660
cattttaact tgcacaaagg aagtctgttc ttggtattgc tcttgcactt gggttttttg 720
ttattgtttt gtgtggattt tttaaagctt ttctgttcac cctcctgcca ggaaaatccc 780
agaaagctta atgatacccc aaaatgatta cacccaggga ggaaaaaaag gagcgctttc 840
tagggtcaga atcgtggaga gaatactcag aaatgaacct ctttaaagcc ttgcaggaat 900
gagtcactct tacttaatga aatgttaaag ccaattaaaa agcatgctgt gatgcccagc 960
ttccctttcc acagggtgca tgcgtctcct gctggtgaat cacatgcggc aagaggcaac 1020
tggctccaca gcctgggatg ctgccgtacc aagaggaaag aagcagcaaa atgcctttac 1080
gttgttctaa accccgacg cataaagtgt agaggaggga tggccaaggg tgggtggtag 1140
aaagtgtgtt caggctgaca ctggcaatga gtacagataa tttcactttc ctcttccagg 1200
ggcaaaggct gatggcctct acctttgtat ccaggagaaa ctgcagagca gccctgtgac 1260
tttacaaaat atgctacctc aaagtgctac cgataaacct ttctaattgt aagkscctta 1320
ctaagggcac atgtcttaat caaagttagt ttttgtttt ctggtttgtt ttttttttt 1380
tgtatattga tgaatgagat cttacctatt aaatatatta ttggattatg gttcctgaag 1440
gtcattagag tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg ttttatgact taaatatctt 1500
tacgtgtgtt ttttagagct tggttctttta aagatttgga gaagatatgt aaattaccaa 1560
ggcacttggt ttttctgttt tatatactaa taatcagggc ctaagttaaa taaaaatatg 1620
tgtgcatgta ttttaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1680
```

```
aaaaaaann                                                              1689

<210> 176
<211> 1016
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (895)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (928)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (970)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (992)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1001)
<223> n equals a,t,g, or c

<400> 176
taagagagct ttgcaaaaaa aaaaagaaaa aagaaaaaaa aaaaaccacg tttctttgtt 60
gagctgtgtc ttgaaggcaa aagaaaaaaa atttctacag tagtctttct tgtttctagt 120
tgagctgcgt gcgtgaatgc ttattttctt ttgtttatga taatttcact taactttaaa 180
gacatatttg cacaaaacct ttgtttaaag atctgcaata ttatatatat aaatatatat 240
aagataagag aaactgtatg tgcgagggca ggagtatttt tgtattagaa gaggcctatt 300
aaaaaaaaaa gttgtttct gaactagaag aggaaaaaaa tggcaatttt tgagtgccaa 360
gtcagaaagt gtgtattacc ttgtaaagaa aaaaattaca aagcagggt ttagagttat 420
ttatataaat gttgagattt tgcactattt tttaatataa atatgtcagt gcttgcttga 480
tggaaacttc tcttgtgtct gttgagactt taagggagaa atgtcggaat ttcagagtcg 540
cctgacggca gagggtgagc ccccgtggag tctgcagaga ggccttggcc aggagcggcg 600
ggctttcccg aggggccact gtccctgcag agtggatgct tctgcctagt gacaggttat 660
caccacgtta tatattccct accgaaggag acaccttttc cccctgacc cagaacagcc 720
tttaaatcac aagcaaaata ggaaagttaa ccacggaggc accgagttcc aggtagtggt 780
tttgcctttc ccaaaaatga aaataaactg ttaccgaagg aattagtttt tcctcttctt 840
ttttccaact gtgaaggtcc ccgtggggtg gagcatggtg cccctcacaa gccgnacggc 900
tggtgcccgg gctaccaggg acatgccnga gggctcgatg acttgtctct gcagggcgct 960
ttggtggtgn ttaactggct aaaggttacc gntgaaggca ngtgcggtaa ctggcc     1016
```

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<210> 177
<211> 1364
<212> DNA
<213> Homo sapiens

<400> 177
gaatcccact cccttctccc acttgttaat tagttacata ctttttgta attgtttatt 60
tggttgctgt ctccctctca agaatgcagg gaccatgtct gcattctgca gtaatcacta 120
ctgcacaccc agaatctatt acagatcctg gcatgtagct gatgcataaa tatttgttga 180
atgaaagtct gtacattgta tttatgctat tggtattgct atgacctgaa actaaaagga 240
gttgtggaaa agatttctta tggaacagaa atatcccttt tgattaatat cacaatctcg 300
taaattgaga aaacaaawaa tatatactac tggagcattc atgtatagtt ggagattatg 360
actcatttat tggtgtgttt ttggactcag aacaaagatg agggaatatt ccttaaagct 420
ctgtattgaa ataacgaaaa gcagtcacat tttaataata gaagcttcct agcttactct 480
ttctgtaatc ttctttcct aaatgtaaga gagcctcata attatgaggc ttattactag 540
agtaaggctg tcaaaggcag caaaatgtct ttctgtttgg aagaataaca taaacttgac 600
atgtatggtg ggggacagaa ggtttcaaaa gtttaagaat ctgtgttgtc ttaacaaata 660
gatgcttctc aaggasstta cgytagtggt tactctgtcc agtcagggtt ttttcttctt 720
taacttgggt tcatttcctg atggcacaca tgaagtttgg atcatatggt ttgactttag 780
ctatggtcct tagctatggg gagcagcatc agcgacctgt gacatgtaaa ttaaaaatac 840
aatgccaggg cccttcccca gcccctctga tagagaacct cttggccatc tgtattttta 900
gatgttccag gttagtctga ttaacaccct tggttaagaa ccattgggag gatctgattg 960
ccagtttaag gggaccttca agcctgtagg tctttatagt taaaaaaaaa aaaagatttt 1020
aaaaatcatg catatgttgt ggctgaawtc tggtttagca catactgctt ttaatggcct 1080
gaaatgtttt tcccaaataa attstcttgt tatagctttc atgtgtgatt tggtccagct 1140
tcttgttttg aagatactta cggggggaa cactttgtga tttctcttag taacatatta 1200
acccacttaa aaaccctttc tattacaggt cttcacattt aggcttaatg tgcttaattc 1260
aaatgtaaaa atacacctgc ctttgttctc agtgaaagta tgtaataaat aaatgagggg 1320
ttggcaaact actgcccacc atctgttttt ttatggccta tgaa               1364


<210> 178
<211> 740
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<400> 178
tggctgggac tccaggcgca taccaccatg actggctnat ttttgtgttt ttagtagaga 60
cggggtttca ccatgttggc caggctggtc ttgaacttct ggccccaagt catctgcctg 120
cctcagcctc ccaaggtgct gggattacaa gtgtgagcca ctgtgtacag ncttgtgtt 180
aacttacttt gaattagccc cttattccaa agctgcctcc tgaaaggasg cttcctaaaa 240
ggtgttgctt tggggtaaat aagaggtgct ggtgaagtga gactagcttg cgcatctctc 300
```

```
tgccatgaag gaaactagct ccgcagacgt tttactaacc acagcagacc ccctccttga 360
ggaacccaga agggcagaga gcatcagatg aaatcaactg ctgagagagg gaagtgagtg 420
ctgtgttggc accgctgcca gaaactcttg agaatgagca tcgtgtgcca cttatccact 480
gcttgccgac ttcagtagca agagcctcca gaatgctcat ggataaacat catctttgtg 540
gccacacatt gttttatgag ctgagtcatc agactggctg gctccttaaa tgctgctgtg 600
tgattctcta ggcagcagaa aacaaggaga gaagatatga agtgtatctc atcgagcttt 660
gtagagggcc agtatcgatt caccaaaggt gatgggggat ttaccattat ggagtttgct 720
tgtgataaaa aattattgat                                              740
```

```
<210> 179
<211> 1410
<212> DNA
<213> Homo sapiens

<400> 179
gaaaatgtat ataataggca aggaaagaaa tacagtactg tttctggacc cttataaaat 60
cctgtgcaat agacacatac atgtcacatt tagctgtgct cagaagggct atcatcaycc 120
tacaactcac attagagaac atcctggctt ttgagcactt ttcaaacaat caagttgact 180
cacgtgggtc ctgaggcctg cagcacgtcg gatgctaccc cactatgaca gaggattgtg 240
gtcacaactt gatggctgcg aagacctacc ctccgttttt ctactagata ggaggatggt 300
agaagtttgg ctgctgtcat aacatccaga gcyttgtcgt atttggcaca cagcagaggc 360
ccagatatta gaaaggctct attccaataa actatgagga ctgccttatg gatgatttaa 420
gtgtctcact aaagcatgaa atgtgaattt ttattgttgt acatacgatt taaggtattt 480
aaagtatttt cttctctgtg agaaggttta ttgttaatac aaggtataat aaaattatcg 540
caaccccctct ccttccagta taaccagctg aagttgcaga tgttagatat ttttcataaa 600
caagttcgag tcaaagttga aaattcatag taagattgat atctataaaa tagatataaa 660
tttttaagag aaagaattta gtattatcaa agggataaag aaaaaaatac tatttaagat 720
gtgaaaatta cagtccaaaa tactgttctt tccaggctat gtataaaata catagtgaaa 780
attgtttagt gatattacat ttatttatcc agaaaactgt gatttcagga gaacctaaca 840
tgctggtgaa tattttcaac ttttttccctc actaattggt acttttaaaa acataacata 900
aattttttga agtctttaat aaataaccca taattgaagt gtataatata aaaaatttta 960
aaaatctaag cagcttattg tttctctgaa agtgtgtgta gttttacttt cctaaggaat 1020
taccaagaat atcctttaaa atttaaaagg atggcaagtt gcatcagaaa gctttatttt 1080
gagatgtaaa aagattccca aacgtggtta cattagccat tcatgtatgt cagaagtgca 1140
gaattggggc acttaatggt caccttgtaa cagttttgtg taactcccag tgatgctgta 1200
cacatatttg aagggtcttt ctcaaagaaa tattaagcat gttttgttgc tcagtgtttt 1260
tgtgaattgc ttggttgtaa ttaaattctg agcctgatat tgatatggtt ttaagaagca 1320
gttgtaccaa gtgaaattat tttggagatt ataataaata tatacattca aaaaaaaaaa 1380
aaaaaaaaaa aaaaaaaaaa aaraaaaaaa                                   1410
```

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<210> 180
<211> 1493
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1328)
<223> n equals a,t,g, or c

<220>
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```
<221> misc feature
<222> (1352)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (1376)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (1406)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (1436)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (1484)
<223> n equals a,t,g, or c


<400> 180
ggccaaatct tcccgggctg ctgtgggcaa caagatgttt gtcaagggtg cccctgaggg 60
cgtcatcgac cgctgtaact atgtgcgagt tggcaccacc cgggtgccac tgacggggcc 120
ggtgaaggaa aagatcatgg cggtgatcaa ggagtggggc actggccggg acaccctgcg 180
ctgcttggcc ctggccaccc gggacacccc cccgaagcga gaggaaatgg tcctggatga 240
ctctgccagg ttcctggagt atgagacgga cctgacattc gtgggtgtag tgggcatgct 300
ggaccctccg cgcaaggagg tcacgggctc catccagctg tgccgtgacg ccgggatccg 360
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catctttggg gagaacgagg aggtggccga tcgcgcctac acgggccgag agttcgacga 480
cctgcccctg gctgaacagc gggaagcctg ccgacgtgcc tgctgcttcg cccgtgtgga 540
gccctcgcac aagtccaaga ttgtggagta cctgcagtcc tacgatgaga tcacagccat 600
gacaggtgat ggcgtcaatg acgccctgc cctgaagaag ctgagattgg cattgccatg 660
ggatctggca ctgccgtggc caagactgcc tctgagatgg tgctggctga cgacaacttc 720
tccaccatcg tarctgctgt ggaggarggc cgcgccatct acaacaacat gaagcagttc 780
atccgctacc tcatttcctc caacgtgggc gaggtggtct gtatcttcct gaccgctgcc 840
ctggggctgc ctgaggccct gatcccggtg cagctgctat gggtgaactt ggtgaccgac 900
gggctcccag ccacagccct gggcttcaac ccaccagacc tggacatcat ggaccgcccc 960
ccccggagcc ccaaggagcc cctcatcagt ggctggctct cttccgcta catggcaatc 1020
gggggctatg tgggtgcagc caccgtggga gcagctgcct ggtggttcct gtacgctgag 1080
gatgggcctc atgtcaacta cagccagctg actcacttca tgcagtgcac cgaggacaac 1140
acccactttg agggcataka ctgtgaggtc ttcgaggccc ccgagcccat gaccatggcc 1200
ctgtccgtgc tggtgaccat cgagatgtgc aatgcactga acagcctgtc cgaraaccag 1260
tccctgctgc ggaattgcma ccctggggt traacaattc ttgggctggc tgggsttcca 1320
ttcttggnct tcttccaatg ttcccctggc ancttccctc aattccctcc taatgnttga 1380
acccccttg cccgaatgaa tctttnaagg cttccggggc ccttggaacc ttcaanccaa 1440
gttgggttaa tggttcctcc aagattttca attggccagt taantggggg ttc         1493
```

<210> 181
<211> 2040
<212> DNA
<213> Homo sapiens

<400> 181
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gcatgagctc atgcaagagg cagggggatga gtgtgagccc gagtggtgtg atgccgagga  60
cccactcttc atcctgtaca ccagtggctc cacaggcaaa cccaagggtg tggttcacac 120
agttgggggc tacatgctct atgtagccac aaccttcaag tatgtgtttg acttccatgc 180
agaggatgtg ttctggtgca cggcagacat tggttggatc actggtcatt cctacgtcac 240
ctatgggcca ctggccaatg gtgccaccag tgttttgttt gaggggattc ccacatatcc 300
ggacgtgaac cgcctgtgga gcattgtgga caaatacaag gtgaccaagt tctacacagc 360
acccacagcc atccgtctgc tcatgaagtt tggagatgag cctgtcacca agcatagccg 420
ggcatccttg caggtgttag gcacagtggg tgaacccatc aaccctgagg cctggctatg 480
gtaccaccgg gtggtaggtg cccagcgctg ccccatcgtg gacaccttct ggcaaacaga 540
gacaggtggc cacatgttga ctcccctttcc tggtgccaca cccatgaaac ccggttctgc 600
tactttccca ttctttggtg tagctcctgc aatcctgaat gagtccgggg aagagttgga 660
aggtgaagct gaaggttatc tggtgttcaa gcagccctgg ccagggatca tgcgcacagt 720
ctatgggaac cacgaacgct ttgagacaac ctactttaag aagtttcctg gatactatgt 780
tacaggagat ggctgccagc gggaccagga tggctattac tggatcactg gcaggattga 840
tgacatgctc aatgtatctg gacacctgct gagtacagca gaggtggagt cagcacttgt 900
ggaacatgag gctgttgcag aggcagctgt ggtgggccac cctcatcctg tgaagggtga 960
atgcctctac tgctttgtca ccttgtgtga tggccacacc ttcagcccca agctcaccga 1020
ggagctcaag aagcagatta gagaaaagat tggccccatt gccacaccag actacatcca 1080
gaatgcacct ggcttgccta aaacccgctc agggaaaatc atgaggcgag tgcttcggaa 1140
gattgctcag aatgaccatg acctcgggga catgtctact gtggctgacc catctgtcat 1200
cagtcacctc ttcagccacc gctgcctgac catccagtga acatgatcct gacctttacc 1260
taggattcct cctgctccaa actttgccca tcctctttgc cccctcagga gtgctgaggg 1320
ccagtgttga cccacactac cctcccttga ccagctgtct gggaccggaa accagctttg 1380
tctccaggta gagacaacat cctgtgactg ccaggcagaa aggacagggc ccaggtcagc 1440
ctcagtctgc tgtgcctcca gactgcagag ctctcagaac ccagaacaga gacgaaaagg 1500
ctacctctcc tacccaagtt aagtgttcaa aggggatgtg agggcctcca ctgaagcagg 1560
gaggcagctg tgtaatccta tgtcagctct cttaggaagc cccagtactt atattgggca 1620
tgcacttgcc cttaaaaaca atgatttgtg agtccaggaa caatttacta tttttaaaat 1680
attttgctgc ttctgttctg ggtctgaatt cccttttgtg ccagatgcca gtactgtctg 1740
cccattggct ccagggggctg tatgggcaga ttcagtctcc agagggtatt cagatcatct 1800
gcttctttga aggagtaaat gtgttttgtt cctagggcca gaggagcttg tcttccttgt 1860
cctctgttcc caccctcccc tgaacagaac ccagcccata agagacattc tcagatgaaa 1920
ctctgttttc ttgccccagt caggctcaag ccctgtggtt gtaggaataa agcctgtgat 1980
ctcaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaactcgaa 2040
```

<210> 182
<211> 969
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<400> 182
agacagttct nattctcccc agggcaggga gcaggttatg accaggacta aggtcccaaa 60
gtccccaccc tgaacccctc cctgctgttc caccgctccc tcatatccac ccctgcccca 120
tctcctgnac tttggtcacg ctagcatctt ctgctgatcc tgaaattgta ccagcggcaa 180
gatgtggcct ggaaggggac tttaagttct ccacaactgc cagcaatcct tccaccaggc 240
aaaacacatc atctaaggaa aagaagtgag gtttgcttag ggcgtggcag cttcggataa 300
acgcaggact ccgcctggca gcccgatttc tcccggaacc tctgctcagc ctggtgaacc 360
acacaggcca gcgctctgac atgcagaagg tgaccctggg cctgcttgtg ttcctggcag 420
gctttcctgt cctggacgcc aatgacctag aagataaaaa cagtcctttc tactatgact 480
ggcacagcct ccaggttggc gggctcatct gcgctggggt tctgtgcgcc atgggcatca 540
tcatcgtcat gagtgagtgg aggagctcgg gggagcaggc gggccggggc tggggctccc 600
ctcccctgac cactcagctc tccccaacag gtgcaaaatg caaatgcaag tttggccaga 660
agtccggtca ccatccaggg gagactccac ctctcatcac cccaggctca gcccaaagct 720
gatgaggaca gaccagctga aattgggtgg aggaccgttc tctgtcccca ggtcctgtct 780
ctgcacagaa acttgaactc caggatggaa ttcttcctcc tctgctggga ctcctttgca 840
tggcagggcc tcatctcacc tctcgcaaga gggtctcttt gttcaatttt ttttwatcta 900
aaatgattgt gcctctgccc aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 960
aaaaaaaga                                                        969

<210> 183
<211> 1452
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1441)
<223> n equals a,t,g, or c

<400> 183
gtcgacccac gcgtccnncc acggtccggt ggggagaagc cgggaggact gggtgcgcct 60
```

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gcagggatcg gaagccggtt ggggtgtgag aggttttctc gctctaggga gattcttcaa 120
gcaatcacta tgtcaacaga cacaggtgtt tcccttcctt catatgagga agatcaggga 180
tcaaaactca ttcgaaaagc taaagaggca ccattcgtac ccgttggaat agcgggtttt 240
gcagcaattg ttgcatatgg attatataaa ctgaagagca ggggaaatac taaaatgtcc 300
attcatctga tccacatgcg tgtggcagcc caaggctttg ttgtaggagc aatgactgtt 360
ggtatgggct attccatgta tcgggaattc tgggcaaaac ctaagcctta gaagaagaga 420
tgctgtcttg gtcttgttgg aggagcttgc tttagttaga tgtcttatta ttaaagttac 480
ctattattgt tggaaataaa ctaatttgta tgggtttaga tggtaacatg gcattttgaa 540
tattggcttc ctttcttgca ggcttgattt gcttggtgac cgaattacta gtgactagtt 600
tactaactag gtcattcaag gaagtcaagt taacttaaac atgtcaccta aatgcacttg 660
atggtgttga aatgtccacc ttcttaaatt tttaagatga acttagttct aaagaagata 720
acaggccaat cctgaaggta ctccctgttt gctgcagaat gtcagatatt ttggatgttg 780
cataagagtc ctatttgccc cagttaattc aacttttgtc tgcctgtttt gtggactggc 840
tggctctgtt agaactctgt ccaaaaagtg catggaatat aacttgtaaa gcttcccaca 900
attgacaata tatatgcatg tgtttaaacc aaatccagaa agcttaaaca atagagctgc 960
ataatagtat ttattaaaga atcacaactg taaacatgag aataacttaa ggattctagt 1020
ttagtttttt gtaattgcaa attatatttt tgctgctgat atattagaat aatttttaaa 1080
tgtcatcttg aaatagaaat atgtatttta agcactcacg caaaggtaaa tgaacacgtt 1140
ttaaatgtgt gtgttgctaa ttttttccat aagaattgta aacattgaac tgaacaaatt 1200
acctataatg gatttggtta atgacttatg agcaagctgg tttggccaga cagtataccc 1260
aaacttttat ataatataca gaaggctatc acacttgtga aattctcttg tctaatctga 1320
atttgcattc catggtgtta acatggtata tgtattgtta ttaaagtaag tgacccatgt 1380
caaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaan aaaaaaaaaa 1440
naaaaaaaaa aa                                                     1452
```

```
<210> 184
<211> 2119
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2090)
<223> n equals a,t,g, or c

<400> 184
aaattgaaac ttctaataaa aatgatatga ctatagatat attacatgct gatggtgaaa 60
gacctaatgt tctagaaaac ctagcaaact caaaggaaaa gactgttgga tcagaagcag 120
caaaaactga agatacagtt ctctgcagca gtgatacaga tgaggagtgt ttaatcattk 180
wtacagaatg taaaaataat agtgatggaa agacagctgt tgtgggttct aacttaagtt 240
ccagaccagc tagtccaaat tcttcctcag gacaggcttc tgtaggaaac cagactaata 300
ctgcttgtwg tcctgaagag tcatgtgttt taaaaaaacc tatcaaacga gtatataaaa 360
aatttgatcc agttggagag attttaaaaa tgcaggatga gctcttwaag ccaatttcca 420
gaaagtacc agaattgccc ttaatgaatt tagaaaattc taaacagcct tctgtttctg 480
agcaattgtc tggtccttca gactcctcta gttggccgaa atctggatgg ccttctgcat 540
ttcagaagcc aaaaggacga ttgccatatg aacttcagga ctatgttgaa gatacatcgg 600
aatacctagc tcctcaggaa ggaaattttg tttataagtt atttagcctg caagacctgt 660
tgttactcgt acgctgcagt gtccagagga tagagacaag accacgttct aaaaaacgga 720
agawwatyag aagacaattt ccagtttatg tactaccaaa agtagagtat caagcttgtt 780
atggagttga agctctgact gaaagtgaac tttgtcgctt atggactgaa agtttattgc 840
attccaacag ctcattttat gttgggcata tcgatgcatt tacttcaaaa ctttttctac 900
```

```
tggaagaaat tacctcagaa gaattaaaag aaaagctttc agcactcaag atttccaatt 960
tatttaacat cctccaacac attctaaaga aactaagtag cttgcaggag ggttcctact 1020
tgttatctca tgcagcagaa gattcttcac tcctgattta taaggcctct gatggaaaag 1080
ttactaggac agcatacaat ttgtataaaa cacattgcgg ccttcctggt gtaccttcca 1140
gtctctcagt tccctgggtc ccattagatc ccagcctgtt attaccatat catatccatc 1200
atggaagaat accttgtact tttccaccga aatcactgga taccacaaca caacaaaaga 1260
ttggtggaac gagaatgcct acacgcagcc acaggaatcc agtttccatg gaaaccaaaa 1320
gcagttgctt gcctgctcag caagttgaaa ctgaaggagt ggctccacat aaaagaaaaa 1380
taacttgagg actgtaccat ggaaaactaa atttaaaaaa mcagttataa cagtgtttaa 1440
tttagataag tttgagggaa aataatcagt aggcaagagg aacatttttc ctgtagtagc 1500
tagagtgcct tgaaaaaatg tgttggctat gtgaaggaat atttcaacta aaatggaatg 1560
gtatgctttt cacccttraa gtttgaggag gatcttgata tgttttaaca ttatcatggc 1620
agggaaatat ataaagaaga aaaatatttt tacattaaac cttttctaaa aattgtaaat 1680
agaaaaataa tttggttttt tatcaagaac aacacttatc gttatgtatt gtgttagtta 1740
tattgccagt ctgttgcgac tgactcaaaa agttaaatgt tgccactgct gaagatgatt 1800
atgagcatcg caaactttgt ttctgaccca ttttgacagt ttttatatac tcctttaaaa 1860
tgatgaatgt tacaggttaa taaagttaat acctttaaaa acttggtgaa attccattac 1920
agaagccaaa aataaaaact ccctgcctct gaaaagtcag attactgact tcttgtttgg 1980
caaccatcag tttgtttaat aaaagaaaaa atttggtggt ataacatgtt tgatgacaga 2040
tgcctctatc tctagattca agctgagtgt tgaaatacac tgctgaaagn aagagatagg 2100
tatgttttcc agaaaaaaa                                                 2119
```

<210> 185
<211> 1325
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1320)
<223> n equals a,t,g, or c

<400> 185
```
atgactgggg agcgacccag ncacggcgct cccgggacag acgctggggg ccscggaatc 60
tctccctgga tattggcact gaagtgtttg cccctggacc gggctctggt attcagaaac 120
agcgggagcc acggaagggc cgcctcatcg tgtgtggcca tgggacgctg gagcgggacg 180
gagtcttctg tctcctcagc gatgatcatg gtgcctcctg cgctacgga agtggggtca 240
gcggcatccc ctacggtcag cccaagcagg aaaatgattt caatcctgat gaatgccagc 300
cctatgagct cccagatggc tcagtcgtca tcaatgcccg aaaccagaac aactaccact 360
gccactgccg aattgtcctc cgcagctatg atgcctgtga tacactaagg ccccgtgatg 420
tgaccttcga ccctgagctc gtggaccctg tggtagctgc aggagctgta gtcaccagct 480
```

```
ccggcattgt cttcttctcc aacccagcac atccagagtt ccgagtgaac ctgaccctgc 540
gatggagctt cagcaatggt acctcatggc ggaaagagac agtccagcta tggccaggcc 600
ccagtggcta ttcatccctg gcaaccctgg agggcagcat ggatggagag gagcaggccc 660
cccagctcta cgtcctgtat gagaaaggcc ggaaccacta cacagagagc atctccgtgg 720
ccaaaatcag tgtctatggg acactctgag ctgtgccact gccacagggg tattctgcct 780
tcaggactct gccttcagga acacgggtct gtagagggtc tgctggagac gcctgaaaga 840
cagttccatc ttcctttaga ctccagcctt ggcaaaatca ccttcccttt accagggaaa 900
tcacttcctt taggactgaa agctaggcgt cctctcccac aaaaaagtcc tgccctcatc 960
tgagaatact gtctttccat atggctaagt gtggccccac caccctctct gcctcccggg 1020
acattgattg gtcctgtctt gggcaggtct agtgagctgt agaattgaat caatgtgaac 1080
tcagggaact ggggaaggct gagcctcctc tttggtgttg cggtaagata accgacaggg 1140
ctggtgaaag tccccagatg gcaggatatt tggtttcaga gtaaggacta ggtgcaccac 1200
catgactgac tatcaatcaa aatgtttgta acttaaaatt tttaatgaag gataatgaat 1260
attaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaann 1320
aaaaa 1325
```

```
<210> 186
<211> 433
<212> DNA
<213> Homo sapiens
```

```
<400> 186
aattcggcac gagggcgcag gccccagcca gctcaggcta cactatccca ggatcagcat 60
ggccgtccgc cagtgggtaa tcgccctggc cttggctgcc ctccttgttg tggacaggga 120
agtgccagtg gcagcaggaa agctcccttt ctcaagaatg cccatctgtg aacacatggt 180
agagtctcca acctgttccc agatgtccaa cctggtctgc ggcactgatg ggctcacata 240
tacgaatgaa tgccagctct gcttggcccg gataaaaacc aaacaggaca tccagatcat 300
gaaagatggc aaatgctgat cccacaggag cacctcaagc catgaagtgt cagctggaga 360
acagtggtgg gcatggagag gatatgacat gaaataaaag atccagccca aaaaaaaaaa 420
aaaaaaaaaa aaa 433
```

```
<210> 187
<211> 859
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<222> (803)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (853)
<223> n equals a,t,g, or c
```

```
<400> 187
cccacgcgtc cgcccacgcg tccgcccacg cgtccgaccg gggcttttcg tgagctcgtc 60
tctgatctcg cgcaagagtg acacacaggt gttcaaagac gcttctgggg agtgagggaa 120
gcggtttacg agtgacttgg ctggagcctc aggggcgggc actggcacgg aacacaccct 180
gaggccagcc ctggctgccc aggcggagct gcctcttctc ccgcgggttg gtggacccgc 240
```

```
tcagtacgga gttgggggaag ctctttcact tcggaggatt gctcaacaac catgctgggc 300
atctggaccc tcctacctct ggttcttacg tctgttrcta gattatcgtc caaaagtgtt 360
aatgcccaag tgactgacat caactccaag ggattggaat tgaggaagac tgttactaca 420
gttgagactc agaacttgga aggcctgcat catgatggcc aattctgcca taagccctgt 480
cctccaggtg aaaggaaagc tagggactgc acagtcaatg gggatgaacc agactgcgtg 540
ccctgccaag aagggaagga gtacacagac aaagcccatt tttcttccaa atgcagaaga 600
tgtagattgt gtgatgaagg acatggctta kaagtggaaa taaactgcac ccggacccag 660
aatmccaagt gcagatgtaa accaaacttt ttttgkaact ctactgtatg tgaacactgt 720
gacccttgca ccaaatgtga acatggaatc atcaaggaat gcacactcac cagcaacacc 780
aagtgcaaag aggaaggatc canatctaac ttgggggtggc tttggcttct tcttttgcca 840
attccctaat tgnttgggt                                               859
```

```
<210> 188
<211> 833
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (798)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (803)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (809)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (812)
<223> n equals a,t,g, or c

<400> 188
tcgcagagat tacaccactg caacgagact cgggcccaga cgagatctgc ctgggcgaca 60
cagtnagact ctgtctcaaa ataaataaat aagtaaatag aacctcctga gctaccctgg 120
cttataagga ttcagattac tttaggaaat taggcattag cactaggagg ggggaagatg 180
gctggcaaaa cttctagcta gcaacctatg tctagcacat gggtaactaa ccatagcgag 240
atcctgaaca catatcctct aggtgcaggt ggagggaacg atgtccaata cctgaagcag 300
aatctcacat ggacggaacg tctgtatttc cctctcctgc acgaatcact catcattctt 360
ggagggcttc tctgcattcc tccttttctt ctctcccctc ccctgccttt tgtcttttct 420
aaagagtctg aactccgatt tccatgctct cctgctacat taataagcaa aacctgcttg 480
```

```
tgtgtacggt tctttactgg aaacatgact ttttgtttct gtattggttt tactgtcatc 540
cagttttcta gtttaatatc tagcaaaact aaatctgaat gtactcgctt tttccgttaa 600
gtatgccaag cacctcggtt gaaaggcttg actcaaacca gaagtcttgc tggaattcgt 660
ctctgaacac ttgaaaaaca gaaaccctga gccgcaacaa acatgcctct gtgtgtcggg 720
attgcctttg tctctgcttc catgtggctt ttccttttgt agctatgctt agtgacataa 780
tcttccctct tcaagcantc tgngttggnc cnttcccgtt ccccccccg tgc        833
```

<210> 189
<211> 2211
<212> DNA
<213> Homo sapiens

<400> 189
```
ggcacgagga gtacagggcc cgcgcatgcg tggattgtcg tcttctgtcc aagttggtcg 60
cttccctgcg ccaaagtgag cagtagccaa catgtcaggg tgggagtcat attacaaaac 120
cgagggcgat gaagaagcag aggaagaaca agaagagaac cttgaagcaa gtggagacta 180
taaatattca ggaagagata gtttgatttt tttggttgat gcctccaagg ctatgtttga 240
atctcagagt gaagatgagt,tgacaccttt tgacatgagc atccagtgta tccaaagtgt 300
gtacatcagt aagatcataa gcagtgatcg agatctcttg gctgtggtgt tctatggtac 360
cgagaaagac aaaaattcag tgaatttaa aaatatttac gtcttacagg agctggataa 420
tccaggtgca aaacgaattc tagagcttga ccagtttaag gggcagcagg gacaaaaacg 480
tttccaagac atgatgggcc acggatctga ctactcactc agtgaagtgc tgtgggtctg 540
tgccaacctc tttagtgatg tccaattcaa gatgagtcat aagaggatca tgctgttcac 600
caatgaagac aacccccatg gcaatgacag tgccaaagcc agccgggcca ggaccaaagc 660
cggtgatctc cgagatacag gcatcttcct tgacttgatg cacctgaaga aacctggggg 720
ctttgacata tccttgttct acagagatat catcagcata gcagaggatg aggacctcag 780
ggttcacttt gaggaatcca gcaagctaga agacctgttg cggaaggttc gcgccaagga 840
gaccaggaag cgagcactca gcaggttaaa gctgaagctc aacaaagata tagtgatctc 900
tgtgggcatt tataatctgg tccagaaggc tctcaagcct cctccaataa agctctatcg 960
ggaaacaaat gaaccagtga aaaccaagac ccggaccttt aatacaagta caggcggttt 1020
gcttctgcct agcgatacca agaggtctca gatctatggg agtcgtcaga ttatactgga 1080
gaaagaggaa acagaagagc taaaacggtt tgatgatcca ggtttgatgc tcatgggttt 1140
caagccgttg gtactgctga agaaacacca ttacctgagg ccctccctgt tcgtgtaccc 1200
agaggagtcg ctggtgattg ggagctcaac cctgttcagt gctctgctca tcaagtgtct 1260
ggagaaggag gttgcagcat tgtgcagata cacaccccgc aggaacatcc ctccttattt 1320
tgtggctttg gtgccacagg aagaagagtt ggatgaccag aaaattcagg tgactcctcc 1380
aggcttccag ctggtctttt tacccttttgc tgatgataaa aggaagatgc cctttactga 1440
aaaaatcatg gcaactccag agcaggtggg caagatgaag gctatcgttg agaagcttcg 1500
cttcacatac agaagtgaca gctttgagaa ccccgtgctg cagcagcact tcaggaacct 1560
ggaggccttg gccttggatt tgatggagcc ggaacaagca gtggacctga cattgcccaa 1620
ggttgaagca atgaataaaa gactgggctc cttggtggat gagtttaagg agcttgttta 1680
cccaccagat tacaatcctg aagggaaagt taccaagaga aaacacgata atgaaggttc 1740
tggaagcaaa aggcccaagg tggagtattc agaagaggag ctgaagaccc acatcagcaa 1800
gggtacgctg ggcaagttca ctgtgcccat gctgaaagag gcctgccggg cttacgggct 1860
gaagagtggg ctgaagaagc aggagctgct ggaagccctc accaagcact ccaggactg 1920
accagaggcc cgcgtccag ctgcccttcc gcagtgtggc caggctgcct ggccttgtcc 1980
tcagccagtt aaaatgtgtt tctcctgagc taggaagagt ctacccgaca taagtcgagg 2040
gactttatgt ttttgaggct ttctgttgcc atggtgatgg tgtagccctc ccactttgct 2100
gttccttact ttactgcctg aataaagagc cctaagtttg tactataaaa aaaaaaaaa 2160
aaaaaaaaaa aaagtcgacc ggccgttaat ttagtagtag taggcggccg c        2211
```

<210> 190
<211> 1659
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1582)
<223> n equals a,t,g, or c

<400> 190

```
atcgggttca agaagaaaat gctaggctta agaagaaaaa agagcagttg cagcaggaaa 60
tcgaagactg gagtaaatta catgctgagc tcagtgagca aatcaaatca tttgagaagt 120
ctcagaaaga tttggaagta gctcttactc acaaggatga taatattaat gctttgacta 180
actgcattac acagttgaat ctgttagagt gtgaatctga atctgagggt caaaataaag 240
gtggaaatga ttcagatgaa ttagcaaatg gagaagtggg aggtgaccgg aatgagaaga 300
tgaaaaatca aattaagcag atgatggatg tctctcggac acagactgca atatcggtag 360
ttgaagagga tctaaagctt ttacagctta agctaagagc ctccgtgtcc actaaatgta 420
acctggaaga ccaggtaaag aaaattggaag atgaccgcaa ctcactacaa gctgccaaag 480
ctggactgga agatgaatgc aaaaccttga ggcagaaagt ggagattctg aatgagctct 540
atcagcagaa ggagatggct ttgcaaaaga aactgagtca agaagagtat gaacggcaag 600
aaagagagca caggctgtca gctgcagatg aaaaggcagt ttcggctgca gaggaagtaa 660
aaacttacaa gcggagaatt gaagaaatgg aggatgaatt acagaagaca gagcggtcat 720
ttaaaaacca gatcgctacc catgagaaga aagctcatga aaactggctc aaagctcgtg 780
ctgcagaaag agctatagct gaagagaaaa gggaagctgc caatttraga cacaaattat 840
tagawttaac acaaaagatg gcaatgctgc aagaagaacc tgtgattgta aaaccaatgc 900
caggaaaacc aaatacacaa aaccctccac ggagaggtcc tctgagccag aatgtctttt 960
ggcccatccc ctgtgagtgg tggagaatgc tcccctccat tgacagtgga gccacccgtg 1020
agacctctct ctgctactct caatcgaaga gatatgccta gaagtgaatt tggatcagtg 1080
gacgggcctc tacctcatcc tcgatggtca gctgaggcat ctgggaaacc ctctccttct 1140
gatccaggat ctggtacagc taccatgatg aacagcagct caagaggctc ttcccctacc 1200
agggtactcg atgaaggcaa ggttaatatg gctccaaaag ggcccctcc tttcccagga 1260
gtccctctca tgagcacccc catgggaggc cctgtaccac cacccattcg atatggacca 1320
ccacctcagc tctgcggacc ttttgggcct cggcacttcc tccaccctt ggccctggta 1380
tgcgtccacc actaggctta agagaatttg caccaggcgt tccaccagga agacgggacc 1440
tgcctctcca ccctcgggga tttttacctg gacacgcacc atttagacct ttaggttcac 1500
ttggcccaag agagtacttt attcctggta cccgattacc accccccaacc catggtcccc 1560
aggaataccc accamcacct gnttgttaar gagratttat kgcgttcagt gttagagatg 1620
aggcctcaac tggcttctta gaggcattag ccagggatt             1659
```

<210> 191
<211> 3894
<212> DNA
<213> Homo sapiens

<400> 191

```
cacacttgaa gctgaaaaag aaagaagaaa atctgggcta tcctcaagag ttcagtttcg 60
aaaccaaggt tctgagccca aatatactca agaactaact ctgaagaggc agaaacagaa 120
agtgtgcatg gaggaaaccc tgtggctaca ggataaatatc agagataaac tgcgtcccat 180
tcccataact gcctcagtgg agatccaaga gccaagctct cgtaggcgag tgaattcact 240
tccagaagtt cttccaattc tgaattcaga tgaacccaag acagctcata ttgatgttca 300
```

143

```
cttcttaaaa gagggatgtg gagacgacaa tgtatgtaac agcaacctta aactagaata 360
taaattttgc acccgagaag gaaatcaaga caaatttwct tatttaccaa ttcaaaaagg 420
tgtaccagaa ctagttctaa aagatcagaa ggatattgct ttagaaataa cagtgacaaa 480
cagcccttcc aacccaagga atcccacaaa agatggcgat gaygcccatg aggctaaact 540
gattgcaacg tttccagaca cttttaaccta ttctgcatat agagaactga gggctttccc 600
tgagaaacag ttgagttgtg ttgccaacca gaatggctcg caagctgact gtgagctcgg 660
aaatcctttt aaaagaaatt caaatgtcac tttttatttg gttttaagta caactgaagt 720
cacctttgac accccagatc tggatattaa tctgaagtta gaaacaacaa gcaatcaaga 780
taatttggct ccaattacag ctaaagcaaa agtggttatt gaactgcttt tatcggtctc 840
gggagttgct aaaccttccc aggtgtattt tggaggtaca gttgttggcg agcaagctat 900
gaaatctgaa gatgaagtgg gaagtttaat agagtatgaa ttcagggtaa taaacttagg 960
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caatgggaaa tggttgcttt atttggtgaa agtagaatcc aaaggattgg aaaaggtaac 1080
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aagaaaatac cagactctta actgtagcgt gaacgtgaac tgtgtgaaca tcagatgccc 1260
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tcacgtcaaa tgcatacaag tttcattctc cctttcacta aaacacacag gtgcaacaga 2460
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tttgttttgg atatagtata agcagtgtct gtgtttgaa agaatagaac acagtttgta 3300
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aaggacgttg ttttggttgt actttggaat tcttagtcac aaaatatatt ttgtttacaa 3420
aaatttctgt aaaacaggtt ataacagtgt ttaaagtctc agtttcttgc ttggggaact 3480
tgtgtcccta atgtgtttag attgctagat tgctaaggag ctgatacttt gacagtgttt 3540
ttagacctgt gttactaaaa aaaagatgaa tgtcctgaaa agggtgttgg gagggtggtt 3600
caacaaagaa acaaagatgt tatggtgttt agatttatgg ttgttaaaaa tgtcatctca 3660
agtcaagtca ctggtctgtt tgcatttgat acattttgt actaactagc attgtaaaat 3720
tatttcatga ttagaaatta cctgtggata tttgtataaa agtgtgaaat aaattttta 3780
taaaagtgtt cattgtttcg taacacagca ttgtatatgt gaagcaaact ctaaaattat 3840
aaatgacaac ctgaattatc tatttcatca aaaaaaaaaa aaaaaaaaaa aaaa      3894
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<210> 192
<211> 695
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c


<400> 192
annctataca ncatacaggg aanggtanac tgacagtacg gtcggattcc cgggtcgacc 60
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gctgcaaaca atcacagtgc cccagaagta ctgtatgggt ccttgcttaa ccaggaagag 180
ctgaaattta gcagaaatga tcttgaattt aaatatcctg ctggtcatgg ctcagccagc 240
graagtgaac acaggagttg ggccagagag agcaaaagct ttaatgttct gaaacagctg 300
cttctctcag aaaactgtgt gcgagatttg tccccgcaca gaagtaactc tgtggctgac 360
agtaaaaaga aaggacacaa aaataatgtg accaacagca aacctgaatt tagcatttct 420
tctttaaatg gactgatgta cagttccact cagcccagca gttgcatgga taacaggaca 480
ttttcatacc caggtgtagt aaaaactcct gtgagtccta ctttccctga gcacttgggc 540
tgtgcagggt ctagaccaga atctgggctt ttgaatgggt gttccatgcc cagtgagaaa 600
```

```
ggacccatta agtgggttat cactgatgcg gagaagatga gtatgaaaag cctctccaga 660
ttgaccaaac caccccatac twtattacat gcttc                             695
```

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<210> 193
<211> 3131
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3128)
<223> n equals a,t,g, or c

<400> 193
gggnncaaan gctggagctc caccgnggtg cgtccgctct agaactagtg gatccccgg  60
gctgcaggat tcggcacgag gccacttcct ggggccgccg gcggggccgc tggctgcact 120
cagcgccgga gccgggagct agcggccgcc gccatgtccc accagaccgg catccaagca 180
agtgaagatg ttaaagagat ctttgccaga gccagaaatg gaaagtacag acttctgaaa 240
atatctattg aaaatgagca acttgtgatt ggatcatata gtcagccttc agattcctgg 300
gataaggatt atgattcctt tgttttaccc ctgttggagg acaaacaacc atgctatata 360
ttattcaggt tagattctca gaatgcccag ggatatgaat ggatattcat tgcatggtct 420
ccagatcatt ctcatgttcg tcaaaaaatg ttgtatgcag caacaagagc aactctgaag 480
aaggaatttg gaggtggcca cattaaagat gaagtatttg aacagtaaa ggaagatgta 540
tcattacatg gatataaaaa atacttgctg tcacaatctt cccctgcccc actgactgca 600
gctgaggaag aactacgaca gattaaaatc aatgaggtac agactgacgt gggtgtggac 660
actaagcatc aaacactaca aggagtagca tttcccattt ctcgagaarc ctttcaggct 720
ttggaaaaat tgaataatag acagctcaac tatgtgcagt ggaaataga tataaaaaat 780
gaaattataa ttttggccaa cacaacaaat acagaactga agatttgcc aaagaggatt 840
cccaaggatt cagctcgtta ccatttcttt ctgtataaac attcccatga aggagactat 900
ttagagtcca tagttttat ttattcaatg cctggataca catgcagtat aagagagcgg 960
atgctgtatt ctagctgcaa gagccgtctg ctagaaattg tagaaagaca actacaaatg 1020
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gatgtaatta gaaagatcga gatagacaat ggggatgagt tgactgcaga cttcctttat 1080
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gcaggaaaaa gaggaattcg aagactaatt aggggcccag cggaaactga agctactact 1200
gattaaagtc atcacattaa acattgtaat actagttttt taaaagtcca gcttttagta 1260
caggagaact gaaatcattc catgttgata taaagtaggg aaaaaaattg tacttttttgg 1320
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tctagaaagt ctgatgtctc aaagggtaaa cttactactt tcttgtggga cagaaagacc 1560
ttaaaatatt catattactt aatgaatatg ttaaggacca ggctagagta ttttctaagc 1620
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ctctgtcaga ctgtaggatc atgtctgcaa cttttagaaa tagtgcttta tattgcagca 1740
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ctttaagggt accagatatt ttctatactg caggatttct gatgacattg aaagacttta 1860
aacagcctta gtaaattatc tttctaatgc tctgtgaggc caaacattta tgttcagatt 1920
gaaatttaaa ttaatatcat tcaaaaggaa acaaaaaatg ttgagtttta aaaatcagga 1980
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gcagtatcat acctagatgg tgaataacat attcccagta aatttatata gcagtgaaga 3000
attacatgcc ttctggtgga cattttataa gtgcatttta tatcacaata aaaatttttt 3060
ctctttaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 3120
aaaaaaanaa a 3131
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<210> 194
<211> 2058
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2045)
<223> n equals a,t,g, or c

<400> 194
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acaatggtgc gatattcgga ttggctggag tcggccatca cgctccacgt acgccacttc 180
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cttttcgtgg cactataaag ggtgctgcac ggcgcttgca tctcttcgcc tctcggagct 240
ggaaatgcag ctattgagrt cttcgaatgc tgcggagctg gaggcggagg cagctgggga 300
ggtccgagcg atgtgaccag gccgccatcg ctcgtctctt cctctctcct gccgcctcct 360
gtctcgaaaa taactttttt agtctaaaga aagaaagaca aaagtagtcg tccgcccctc 420
acgccctctc ttcctctcag ccttccgccc ggtgaggaag cccggggtgg ytgctccgcc 480
gtcggggccg cgccgccgag ccccggccgc cccgggccgc ccccgcacgc cgcccccatg 540
catcccttct acacccgggc cgccaccatg ataggcgaga tcgccgccgc cgtgtccttc 600
atctccaagt ttctccgcac caaggggctc acgagcgagc gacagctgca gaccttcagc 660
cagagcctgc aggagctgct ggcagaacat tataaacatc actggttccc agaaaagcca 720
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caaactagta agcatgacct ggggaaatgg tcagaccttg tattgtgttt ttggccttga 1620
aagtagcaag tgaccagaat ctgccatggc aacaggcttt aaaaaagacc cttaaaaaga 1680
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attgtggcaa agttgtacag atttctatat tttggatgag aaatttttct tctctctata 1980
ataaatcgtt tcttatcttg gcattttaaa aaaaaaaaaa aaaaaaaaaa gggcgggcgc 2040
tctanaagat ccaagctt                                               2058
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<210> 195
<211> 831
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (791)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (793)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (806)
<223> n equals a,t,g, or c

<400> 195
anccctcact aagggaacaa aagctggnag ctccaccgcg gtgncgaccg ctctagaact 60
agtggatccc ccgggctgca ggaattcggc agagttcgac ctctgctgca gcccgtgccg 120
ccgccgcctc ctgggaagag aggaagcggg agaggagccc acgtcgcctg tcacccaata 180
tctccagccg cgcagtcccg aagagtgtaa gatgttcgcc tgcgccaagc tcgcctgcac 240
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atctcgacca gaggctagta ggactggaga gggctctacg gtatttaatg gggcccagaa 360
tggtgtgtct cagctaatcc aaagggagtt tcagaccagt gcaatcagca gagacattga 420
tactgctgcc aaatttattg gtgcaggtgc tgcaacagta ggagtggctg gttctggtgc 480
tggtattgga acagtctttg gcagccttat cattggttat gccagaaacc cttcgctgaa 540
gcagcagctg ttctcatatg ctatcctggg atttgccttg tctgaagcta tgggtctctt 600
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tggcattcat attaattacg gatgtaattc tgtgtatctt actgtgactc cgaaaactgt 720
agtattggtg tcatgggaat gtacgttatt tccaaagtca tttcattaaa gatgaaaact 780
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<210> 196
<211> 961
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (923)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (947)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (953)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (954)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (960)
<223> n equals a,t,g, or c

<400> 196
tagatagaac agatgttttg tgtgaaattt nntatcttta acttaatwaa ccagcaggaa 60
ctgtatgaac acaacacacc caactgacaa acagagagaa ctaacatgtt tatttagctg 120
tatgtatata tgcttaacta cacccgagga agctgtagag ttagaaaaac atgaaccatt 180
aacagatgtg gcctccctgc agaactttta ctttgaaaaa gaagtacgtc tgaaccagat 240
tcacatgttt gatatttgga tgcagagaaa atggggcaga aagcatcgca acagttggct 300
ctgaaggaca gcaaagaggt gcccgtcgtc tgtgargtgg tcagtgaagc tatagtccat 360
gcagctcaga aactgaagga gtaccttgga tttgaatatc ctccaagtaa actctgccca 420
gctgcaaata ctctgaatga gatcttctta atccatttca tcactttctg ccaagaaaag 480
ggagttgatg agtggctgac caccaccaag atgaccaagc accaagcctt cctgtttggt 540
gcagactgga tttggacctt ttggggatcy gacaagcaaa taaagcttca gctcgcagta 600
cagactctgc agatgtcttc acctcctcct gtggaatcta agccttgtga cctttccaat 660
ccagaatcaa rggtaragga rtcttcctgg aagaaaagta gatttgataa gctggaagaa 720
ttctgtaact taataggaga ggattgcctg ggtctgttta tcatctttgg tatgccagga 780
aagcctaaag acatcagggg agttgtcctg gacagtgtca aaagtcagat ggtgaggagc 840
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atcaaagagc tgctcaaaat tgnctgagta agaaagacgg gctgganaga agnnggcaan 960
g                                                                   961

<210> 197
<211> 606
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (603)
<223> n equals a,t,g, or c

<400> 197
gcttgggtct gtcccgggtg gacgacgccg tggctgccaa cacccgccag tgygcccaga 60
ggagggacag gagaggcggt gaaggaagag ggcaggggat cgagccttca cccgcctctg 120
ccaccccagg gactcgggga gtatgccgca tgccagtcac acgccttcat gaagggcgtt 180
ttcaccttcg tcacaggcac cggcatggcc tttggcttgc agatgttcat tcagaggaag 240
tttccatacc ctttgcagtg gagcctccta gtggccgtgg ttgcaggctc tgtggtcagc 300
tacggggtga cgagagtgga gtcggagaaa tgcaacaacc tctggctctt cctggagacc 360
gggcagctcc ccaaagacag gagcacagat cagagaagct aggagagctc cagcaggggc 420
acagaggatt gggggcagga ggagtctgga acacagcctt catgcccct gaccccaggc 480
cgaccctncc cacaccctan ggtaccccag tcgtatcctc tgtccgcatg tgtggccagg 540
cctgacaaac acctgcagat ggctgctgcc caacctggga ccttgcccag gaggttggag 600
canaaa                                                              606

<210> 198
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<400> 198
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cttcctcctg ctggtggcag ctcccagatg ggtcctgtcc caggtgcagc tgcaggagtc 120
gggcccagga ctggtgaagc cttcacagac cctgtccctc acctgcactg tctctggtgg 180
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ggagtggatt ggntwcatct attacagtgg gascacctac tacaayccgt ccctcaarag 300
tctagttasc atatcastag acacgtctaa gaaccasttc tccctgaasc tganctctgt 360
gackgccgcg gacacggmcg tgtattactg tgc                                 393

<210> 199
<211> 1061
<212> DNA
<213> Homo sapiens
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<220>
<221> misc feature
<222> (1035)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (1056)
<223> n equals a,t,g, or c


<400> 199
gccccacgct gaccaccggc gtggagggaa ggcctctgag actctgcact gagcaccatt 60
ttggacttgt gtgtccagga gtcatgtccc ccgacgagta ccaytcaggg gtcaacaact 120
ctgtgtacac caacgtcctg gtccagaaca ggtcagacac aagatcccct cacctcaccc 180
cacccccgcc ccagctggag acctgccccg gtgccccac taggcaggca gcagctggaa 240
gtgtaggggt tgcagcctcc cccamctacc tccacctcca gcctgcgctt tgctgctgcc 300
ctggcccagg acctgggtct tcccatcccc agccaktggc tggcggtggc tgacaagatc 360
aaggtaccct ttgacgtkga gcagaacttc cacccggagt tcgatgggta tgagcctggt 420
gaktggaccc cttcaagggy tcctccctg ccgtcgagac cctcgagtct gtcctggaac 480
accttccagt cagcggcacc tccctgtagg agaggtggtg aagcaggcag acgtcgtgct 540
cctgggatac cmagtcccct tctccctgag tcctgatgtt cgcaggaaaa atctggagat 600
ttacgaggct gtgacgtccc cccagggccc cgccatgacc tggagcatgt ttgctgtggg 660
ctggatggag ctgaaggacg cagtgcgggc ccggggcctc ctggacagga gctttgccaa 720
catggctgaa cccttcaagg tgtggacgga gaatgcagac gggtcaggcg ctgtgaactt 780
cctgacaggc atggggggct tctgcaggcg gtggtcttcg ggtgcacggg gttcagggtc 840
acccgagcgg gtgtgacctt tgaccctgtg tgtctgtcgg ggatctccag artgagcgty 900
tccggcatct tctaccaggg gaacaagctc aacttctctt tttccgagga ctccgtgacc 960
gtggaggtca cagctcgagc agggccctgg gctcctcacc tggaggctga gctgtggcca 1020
ttccagtccc ggmtnttcct tgtkcmggam macaangggc t                    1061


<210> 200
<211> 1359
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (1005)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (1128)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (1342)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (1343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1344)
<223> n equals a,t,g, or c

<400> 200
tcacgcgtcc ggggctgcag taggtcccgg caaccgcagg ctcgcggcgg gcgctgggcg 60
cgggatccga ctctagtcgt aatggaggcg ggcggctttc tggactcgct catttacgga 120
gcatgcgtgg tcttcaccct tggcatgttc tccgccggcc tctcggacct caggcacatg 180
cgaatgaccc ggagtgtgga caacgtccag ttcctgccct ttctcaccac ggaagtcaac 240
aacctgggct ggctgagtta tggggctttg aagggagacg ggatcctcat cgtcgtcaac 300
acagtgggtg ctgcgcttca gaccctgtat atcttggcat atctgcatta ctgccctcgg 360
aagcgtgttg tgctcctaca gactgcaacc ctgctagggg tccttctcct gggttatggc 420
tacttttggc tcctggtacc caaccctgag gcccggcttc agcagttggg cctcttctgc 480
agtgtcttca ccatcagcat gtacctctca ccactggctg acttggctaa ggtgattcaa 540
actaaatcaa cccaatgtct ctcctaccca ctcaccattg ctaccccttct cacctctgcc 600
tcctggtgcc tctatgggtt tcgactcaga gatccctata tcatggtgtc caactttcca 660
ggaatcgtca ccagctttat ccgcttctgg cttttctgga agtaccccca ggagcaagac 720
aggaactact ggctcctgca aacctgaggc tgctcatctg accactgggc accttagtgc 780
caacctgaac caaagagacc tccttgtttc agctgggcct gctgtccagc ttcccaggtg 840
cagtgggttg tgggaacaag agatgacttt gaggataaaa ggaccaaaga aaaagcttta 900
cttagatgat tgattggggc ctaggagatg aaatcacttt ttattttta gagattttt 960
tttttaattt tggaggttgg ggtgcaatct ttagaatatg ccttnaaagg ccgggcgcgg 1020
tgctcacgcc tgtaatccca gcactttggg aggccaaggt gggcggatcg cctgaggtca 1080
ggagttcaag accaacctga ctaacatggt gaaaccccat ctctactnaa aatacaaaat 1140
tagccaggca tgatggcaca tgcctgtaat cccagatact tgggaggctg aggcaggaga 1200
attgcttgaa cccaggaggt ggaggttgca gtgagctgag atcgtgccat tgtgatatga 1260
atatgcctta tatgctgata tgaatatgcc ttaaaataaa gtgttcccca cccctgaaaa 1320
aaaaaaaaaa aaaaaaaaaa annnaaaaag ggcggccgc 1359


<210> 201
<211> 726
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
```

```
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (724)
<223> n equals a,t,g, or c

<400> 201
ttcgaantta cccttcatta aagggaacan aagttggagc ttccaccgcg gtggcggccg 60
ctctagaact agtggatccc ccgggctgca ggaattcggc acgaggagag aactagtctc 120
gcgcagagcg cagcgmacgg ccacagacag ccctgggcat ccaccgacgg cgcacggang 180
ccagcagagc cggaaggcgc gccccgggca gagaaagccg agcagagctg ggtggcgtct 240
ccgggccgcc gctccgacgg gccagcgccc tccccatgtc cctgctccca cgccgcgccc 300
ctccggtcag catgaggctc ctggcggccg cgctgctcct gctgctgctg cgctgtaca 360
ccgcgcgtgt ggacgggtcc aaatgcaagt gctcccggaa ggacccaaga tccgctacag 420
cgacgtgaag aagctggaaa tgaagccaaa gtacccgcac tgcgaggaga agatggttat 480
catcaccacc aagagcgtgt ccaggtaccg aggtcaggag cactgcctgc accccaagct 540
gcagagcacc aagcgcttca tcaagtggta caacgcctgg aacgagaagc gcagggtcta 600
cgaagaatag ggtgaaaaac ctcagaaggg aaaactccaa accagttggg agacttgtgc 660
aaaggacttt gcagattaaa aaaaaaaaaa aaaaaaaaaa aaaagccttt ctttctcaca 720
ggcnta                                                           726


<210> 202
<211> 2714
<212> DNA
<213> Homo sapiens

<400> 202
gctttgtttg ccatttccta caggtgaaac gccatcatta ggattcactg taacgttagt 60
gctattaaac tcactagcat ttttattaat ggccgttatc tacactaagc tatactgcaa 120
cttggaaaaa gaggacctct cagaaaactc acaatctagc atgattaagc atgtcgcttg 180
gctaatcttc accaattgca tctttttctg ccctgtggcg ttttttttcat ttgcaccatt 240
gatcactgca atctctatca gccccgaaat aatgaagtct gttactctga tatttttttcc 300
attgcctgct tgcctgaatc cagtcctgta tgttttcttc aacccaaagt ttaaagaaga 360
ctggaagtta ctgaagcgac gtgttaccaa gaaaagtgga tcagtttcag tttccatcag 420
tagccaaggt ggttgtctgg aacaggattt ctactacgac tgtggcatgt actcacattt 480
gcagggcaac ctgactgttt gcgactgctg cgaatcgttt cttttaacaa agccagtatc 540
atgcaaacac ttgataaaat cacacagctg tcctgcattg gcagtggctt cttgccaaag 600
acctgagggc tactggtccg actgtggcac acagtssgcc cactctgatt atgcagatga 660
agaagattcc tttgtctcag acagttctga ccaggtgcag gcctgtggac gagcctgctt 720
ctaccagagt agaggattcc ctttggtgcg ctatgcttac aatctaccaa gagttaaaga 780
ctgaactact gtgtgtgtaa ccgtttcccc cgtcaaccaa aatcagtgtt tatagagtga 840
accctattct catctttcat ctgggaagca cttctgtaat cactgcctgg tgtcacttag 900
aagaaggaga ggtggcagtt tatttctcaa accagtcatt ttcaaagaac aggtgcctaa 960
attataaatt ggtgaaaaat gcaatgtcca agcaatgtat gatctgtttg aaacaaatat 1020
atgacttgaa aaggatctta ggtgtagtag agcaatataa tgttagtttt ttctgatcca 1080
taagaagcaa atttatacct atttgtgtat taagcacaag ataaagaaca gctgttaata 1140
ttttttaaaa atctatttta aaatgtgatt ttctataact gaagaaaata tcttgctaat 1200
tttacctaat gtttcatcct taatctcagg acaacttact gcagggccaa aaaagggact 1260
```

```
gtcccagcta gaactgtgag agtatacata ggcattactt tattatgttt tcacttgcca 1320
tccttgacat aagagaacta taaattttgt ttaagcaatt tataaatcta aaacctgaag 1380
atgttttaa aacaatatta acagctgtta ggttaaaaaa atagctggac atttgttttc 1440
agtcattata cattgctttg gtccaatcag taattttttc ttaagtgttt tgtgattaca 1500
ctactagaaa aaaagtaaaa ggctaattgc tgtgtgggtt tagtcgattt ggctaaacta 1560
ctaactaatg tgggggttta atagtatctg agggatttgg tggcttcatg taatgttctc 1620
attaatgaat acttcctaat atcgttggct ctactaatat tttccaattt gctgggatgt 1680
cacctagcaa tagcttggat tatatagaaa gtaaactgtg gtcaatactt gcatttaatt 1740
agacgaaacg gggagtaatt atgacacgaa gtacttatgt ttatttctta gtgagctgga 1800
ttatcttgaa cctgtgctat taaatggaaa tttccataca tcttccccat actatttttt 1860
ataaaagagc ctattcaata gctcagaggt tgaactctgg ttaaacaaga taatatgtta 1920
ttaataaaaa tagaagaaga aagaataaag cttagtcctg tgtctttaaa aattaaaaat 1980
tttacttgat tcccatctat gggctttaga cctattactg ggtggagtct taaagttata 2040
attgttcaat atgttttttg aacagtgtgc taaatcaata gcaaacccac tgccatatta 2100
gttattctga atatactaaa aaaatccagc tagattgcag tttaataatt aaactgtaca 2160
tactgtgcat ataatgaatt tttatcttat gtaaattatt tttagaacac aagttgggaa 2220
atgtggcttc tgttcatttc gtttaattaa agctacctcc taaactatag tggctgccag 2280
tagcagactg ttaaattgtg gtttatatac tttttgcatt gtaaatagtc tttgttgtac 2340
attgtcagtg taataaaaac agaatctttg tatatcaaaa tcatgtagtt tgtataaaat 2400
gtgggaagga tttatttaca gtgtgttgta attttgtaag gccaactatt tacaagtttt 2460
aaaaattgct atcatgtata tttacacatc tgataaatat taaatcataa cttggtaaga 2520
aactcctaat taaaaggttt tttccaaaat tcaggttatt gaaaaytttt cattttattc 2580
atttaaaaac tagaataaca gatatataaa agtgttaatc tttgtgctat atggtatgaa 2640
atacaatatt gtactcagtg ttttgaatta ttaaagtttc tagaaagcaa aaaaaaaaaa 2700
aaaaaaactc gtag                                                 2714
```

<210> 203
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<400> 203

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gacggagccg gaagcaggaa gcagcctgtk ctccccagga cctgcctggt tgggggaatt 60
ggaggcttct aggaggtggc acggtgcacg ccaagatggc tgtgtccaca gaggagctgg 120
aggccacggt tcaggaagtc ctggggagac tgaagagcca ccagtttttc cagtccacat 180
gggacactgt tgccttcatt gttttcctca ccttcatggg caccgtgctg ctcctgctgc 240
tgctggtcgt cgcccactgc tgctgctgca gctccccccgg gccccgcagg gaaagcccca 300
ggaaggaaag acccaaggga gtggataact tggccctgga accctgaccc tgtgtctcct 360
gcccggtggc agtaacaaag ccttctgtct gcccagaaaa aaaaaaaaa aaaaaaaang 420
gg                                                               422
```

<210> 204
<211> 2339
<212> DNA
<213> Homo sapiens

```
<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2329)
<223> n equals a,t,g, or c

<220>
```

```
<221> misc feature
<222> (2334)
<223> n equals a,t,g, or c

<400> 204
anacatggcc aatcaatnnt ctttcagcgt caagaatacg ggacatncac caggaccctg 60
tgaactgacc gctgtgcctg cccttcaagt ncaaggccaa ggattgcact gtgcccatca 120
acacntgcat ccagaacccc tgtcagcatg aggcacctgc cacctgagtg acagccccaa 180
ggatgggttc agctgytcnt gccctctggg cttttagggg cagcggtgtg agatcaaccc 240
agatgactgt gaggacaacg actgcgaaam caatgccacc tgcgtggacg ggatcaacaa 300
ctacgtgtgt atctgtccgc ctaactacac aggtgagcta tgcgacgagg tgattgacca 360
ctgtgtgcct gagctgaacc tctgtcagca tgaggccaag tgcatccccc tggacaaagg 420
attcagctgc gagtgtgtcc ctggctacag cgggaagctc tgtgagacag acaatgatga 480
ctgtgtggcc cacaagtgcc gccacggggc ccagtgcgtg dacacaatca atggctacac 540
atgcacctgc ccccagggct tcagtggacc cttctgtgaa cacccccac ccatggtcct 600
actgcagacc agcccatgcg accagtacga gtgccagaac ggggcccagt gcatcgtggt 660
gcagcaggag cccacctgcc gctgcccacc aggcttcgcc ggccccagat gcgagaagct 720
catcactgtc aacttcgtgg gcaaagactc mtacgtggaa ctggcctccg ccaaggtccg 780
accccaggcc aacatctccc tgyaggtggc cctgacaagg acaacggmat ccttctctac 840
aaaggagaca atgaccccct ggcactggag ctgtaccagg gccacgtgcg gctggtctat 900
gacagcctga gttcccctcc aaccacagtg tacagtgtgg agacagtgaa tratgggcag 960
tttcacagtg tggagctggt gacgctaaac cagaccctga acctagtagt ggacaaagga 1020
actccaaaga gcctggggaa gctccagaag cagccagcag tgggcatcaa cagccccctc 1080
taccttggag gcatccccac ctccaccggc ctctccgcct tgcgccaggg cacggaccgg 1140
cctctaggcg gcttccacgg atgcatccat gaggtgcgca tcaacaacga gctgcaggac 1200
ttcaaggccc tcccaccaca gtccctgggg gtgtcaccag gctgcaagtc ctgcaccgtg 1260
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ggctggaccg gcccactctg cgatcaggag gcccgggacc cctgcctcgg ccacagatgc 1380
caccatggaa aatgtgtggc aactgggacc tcatacatgt gcaagtgtgc cgagggctat 1440
ggagggact tgtgtgacaa caagaatgac tctgccaatg cctgctcagc cttcaagtgt 1500
caccatggc agtgccacat ctcagaccaa ggggagccct actgcctgtg ccagcccggc 1560
tttagcggcg agcactgcca acaagagaat ccgtgcctgg acaagtagt ccgagaggtg 1620
atccgccgcc agaaaggtta tgcatcatgt gccacagcct ccaaggtgcc catcatggaa 1680
tgtcgtgggg gctgtgggcc ccagtgctgc cagcccaccc gcagcaagcg gcggaaatac 1740
gtcttccagt gcacggacgg ctcctcgttt gtagaagagg tggagagaca cttagagtgc 1800
ggctgcctcg cgtgttccta agcccctgcc cgcctgcctg ccacctctcg gactccagct 1860
tgatggagtt gggacagcca tgtgggaccc cctggtgatt cagcatgaag gaaatgaagc 1920
tggagaggaa ggtaaagaag aagagaatat taagtatatt gtaaataaa caaaaaatag 1980
aacttatttt tattatggaa agtgactatt ttcatctttt attatataaa tatattacac 2040
catctgcgta tatgtaccat atagtgagtt attttttacca agttttgtgt tgtgtatttg 2100
ttgtgttttt aaaaatagct gtttaaaaat ttaagaaaaa aatagactaa taaaaatgct 2160
ttaaaacaaa aggataagaa taaagaatga tagcctgtct gaggaaggag gaagatgttt 2220
tcatgtttat gaaacggnat tatgtcggca gtagaccaag agctgctcat gagatcagaa 2280
aaaggaataa gaggaagaga gaggagggaa aagaccttgt ntctgtttnt taantccct 2339

<210> 205
<211> 1655
<212> DNA
<213> Homo sapiens

<220>
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```
<221> misc feature
<222> (1548)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (1559)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (1564)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (1623)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (1643)
<223> n equals a,t,g, or c


<400> 205
ttcggggcta gcgtcggcga ggcttgagct tgcagcgcgc ggcttccctg ctttctcgcg 60
gccacccccgg ctccggcggc ctcggcgcgc gaggggctgg aggtgcggga gccgctctcc 120
gccggtcggt ccccgcgcgg ctgagcccag gccgccagcg ccgcggccmc gtgcggtgtc 180
cctgagctcc tgctccccgc cgggctgctc cgagcaacgg tgcttcggag ctccaaactc 240
gggctgccgg ggcaagtgtc ttcatgaacc cagaggatgt ccgggaagca ctacaagggt 300
cctgaagtca gttgttgcat caaatacttc atatttggct tcaatgtcat attttggttt 360
ttgggaataa catttcttgg aattggactg tgggcatgga atgaaaaagg agttctgtcc 420
aacatctctt ccatcaccga tctcggcggc tttgacccag tttggctctt ccttgtggtg 480
ggaggagtga tgttcatttt gggatttgca gggtgcattg gagcgctacg ggaaaacact 540
ttccttctca agttttttttc tgtgttcctg ggaattattt tcttcctgga gctcactgcc 600
ggagttctag catttgtttt caaagactgg atcaaagacc agctgtattt ctttataaac 660
aacaacatca gagcatatcg ggatgacatt gatttgcaaa acctcataga cttcacccag 720
gaatattggc agtgctgtgg ggcttttgga gctgatgatt ggaacctaaa tatttacttc 780
aattgcacag attccaatgc aagtcgagag cgatgtggcg ttccattctc ctgctgcact 840
aaagatcccg cagaagatgt catcaacact cagtgtggct atgatgccag gcaaaaacca 900
gaagttgacc agcagattgt aatctacacg aaaggctgtg tgccccagtt tgagaagtgg 960
ttgcaggaca atttaaccat cgttgctggt attttcatag gcattgcatt gctgcagata 1020
tttgggatat gcctggccca gaatttggtt agcgatatcg aagctgtcag ggcgagctgg 1080
tagaccccct gcaaccgctg ctgcaagaca ctggacagac ccagctttcg ggaccctccc 1140
gcgtgccgaa ctgatcttcg agctgcatgg acctaatcac agatgcagcc tgcagtctcg 1200
cctaatggag ctgccattag gggagtgtaa aactgggaaa tgctgctcac tgacagaatt 1260
aaaaaaaaaa ataaccagta tgaaagtcgt tgcgccgtga atctctactg tagccatgaa 1320
tttatggaca gttagatgct taccaaaaaa gaaaaaaagg gagggtaggg gacccagatg 1380
tacttgaatg tgcagaaaat acattcttgt cctcatcttc cgtaattgga gggctgggag 1440
argcagcttt gctcttcacc acaccttgga cggaccacct tctttctgtt ccatggcctg 1500
aaggagtggc atctcctcaa aggactcagc ccctcacctg ggagggancg agtttctgnc 1560
```

```
cccncttaga ttttttaatcc agcttggtgg tccacccgtt tgttctgccc ccccctgggg 1620
agncaagatt atcaagcctt gcncgcactt cttgt                                1655
```

<210> 206
<211> 5145
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5143)
<223> n equals a,t,g, or c

<400> 206
```
gtcngattcg cggccgnatc ggaggtttcg gctaagttgg aggtactggc cacgactgca 60
tgcccgcgcc cgccaggtga tacctccgcc ggtgacccag gggctctgcg acacaaggag 120
tctgcatgtc taagtgctag acatgctcag ctttgtggat acgcggactt tgttgctgct 180
tgcagtaacc ttatgcctag caacatgcca atctttacaa gaggaaactg taagaaaggg 240
cccagccgga gatagaggac cacgtggaga aaggggtcca ccaggccccc caggcagaga 300
tggtgaagat ggtcccacag gccctcctgg tccacctggg cctcctggcc ccctggtct 360
cggtgggaac tttgctgctc agtatgatgg aaaaggagtt ggacttggcc ctggaccaat 420
gggcttaatg ggacctagag gcccacctgg tgcagctgga gccccaggcc ctcaaggttt 480
ccaaggacct gctggtgagc ctggtgaacc tggtcaaact ggtcctgcag gtgctcgtgg 540
tccagctggc cctcctggca aggctggtga agatggtcac cctggaaaac ccggacgacc 600
tggtgagaga ggagttgttg gaccacaggg tgctcgtggt ttccctggaa ctcctggact 660
tcctggcttc aaaggcatta ggggacacaa tggtctggat ggattgaagg gacagcccgg 720
tgctcctggt gtgaagggtg aacctggtgc ccctggtgaa aatggaactc caggtcaaac 780
aggagcccgt gggcttcctg gtgagagagg acgtgttggt gccctggcc cagctggtgc 840
ccgtggcagt gatggaagtg tgggtcccgt gggtcctgct ggtcccattg ggtctgctgg 900
ccctccaggc ttcccaggtg cccctggccc caagggtgaa attggarctg ttggtaacgc 960
tggtcctgct ggtcccgccg gtccccgtgg tgaagtgggt cttccaggcc tctccggccc 1020
cgttggacct cctggtaatc ctggagcaaa cggccttact ggtgccaagg gtgctgctgg 1080
ccttcccggc gttgctgggg ctcccggcct ccctggaccc cgcggtattc ctggccctgt 1140
tggtgctgcc ggtgctactg gtgccagagg acttgttggt gagcctggtc cagctggctc 1200
caaaggagag agcggtaaca agggtgagcc cggctctgct gggccccaag gtcctcctgg 1260
tcccagtggt gaagaaggaa agagaggccc taatggggaa gctggatctg ccggccctcc 1320
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```

<210> 207
<211> 487
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<400> 207
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tccgccctcc cgtcgctccc ctgctcgggg tcagctagtg tcckctctgc tcggccgcgg 60
gctcccggag gactgcaggc aggatgacgc aaaacacggt gattgtgaat ggagttgcta 120
tggcctctag gccatcccag cccacccacg tcaacgtcca catccaccag gagtcagctt 180
tgacacaact gctgaaagct ggaggttctc tgaagaagtt tcttttcac cctggggaca 240
ctgtgccttc cacagccagg attggttatg agcagctggc tctaggggtg actcagatat 300
tgctgggggt tgtgagttgt gttcttggag tgtgtctcag cttggggccc tggactgtgc 360
tgagtgcctc agctgtgcct tctgggcggg gtctgtggtg atcgcarcar gastkgggcc 420
attgtccatg araarcaccc gggcaaactk gytggctata ttscagccgn tcacccggca 480
agntttg                                                         487
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<210> 208
<211> 2296
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>

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<221> misc feature
<222> (252)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (2258)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (2285)
<223> n equals a,t,g, or c


<400> 208
gaagaattag gcttggtttc aggttacata aataatagag cagatggttg cctttgggtc 60
ttgaaccaaa ataagactta ctaaaggaag agtgagtttt tagaagagaa ctttacgagc 120
gtgacattat gcattactcc acatccaccc tttaagaatt gatttattac aaaattatgt 180
tctattttaa agtccactcc cncaaaatac tgatttcttc catggattat ttttatatga 240
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gtctttctga atttaaaatg aaaattcatg tccatatgga gacttacata ttccccaatc 420
tttccatgaa ttgcattttt ttctaatact tatctctgtt aagactccat tgaaagttaa 480
acaaaaagcc gatataatag tttgggtttt tttttttttgc ttattttagt attttgaatc 540
agagaatact tggccaagct cgtatttgta aactaaaacc ccttgttatt tgtatcttct 600
gcatttcagt tttactgtaa gaacatacat yttgaaatta tgaacatttt tttcataaaa 660
attaaatgct ttaagaaatg gagaaggaaa aatagctttt atcaattttt ttctcctcaa 720
gattctgtaa taaacctcaa agtctggtgt agaatggtat tttcccgttt gaggtcttgg 780
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gaaaatctat gttttcagta ttatgacagt atctgcagat actataataa tatgctttgg 960
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cttgtttct tcttgttatt cctccagcaa ctccctcacc accacgcctc cctgcctacc 2160
```

```
atccccggaa gggtgcttat tctttaacaa agagaatcta aaaaaaaaac aaaaaactgt 2220
tgtctatatt cacgtaatgt cctggcttta ttccctgngt ttagagagca ttcctggttg 2280
tacantgact ttgatg                                                  2296
```

<210> 209
<211> 625
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (600)
<223> n equals a,t,g, or c

<400> 209
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ntctcattcn acacccaacc ttcannttca actacaactt ctccgctttg ggcaaacacc 60
gtcactcttg ctggaggcaa gcttcattcc aaagggttga aatacttcca tcactttacc 120
ctcagtctct gtggaaacca gggtaggaaa atgtctgtgt gcaccgacaa tgtcactgac 180
ctccggattc ctgagggtga gtcagggttc tccaaatcta tcacagccta cgtctgccag 240
gcagtcatca tccccccaga ggtgacaggc tacaaggccg gggtttcctc acagcctgtc 300
agccttgctg atcgacttat tggggtgaca acagatatga ctctggatgg aatcacctcc 360
ccagctgaac ttttccacct ggagtccttg ggaataccgg acgtgatctt cttttatagg 420
tccaatgatg tgacccagtc ctgcagttct gggagatcaa ccaccatccg cgtcaggtgc 480
agtccacaga aaactgtccc tggaagtttg ctgctgccag gaacgtgctc agatgggamc 540
tgtgatggct gcaacttcca cttcctgtgg gaaaamgsgs tgsttgcccg ctctgctcan 600
tggctgacta ccatgctatc gtcac                                       625
```

<210> 210
<211> 1551
<212> DNA
<213> Homo sapiens

```
<220>
<221> misc feature
<222> (760)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (1543)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (1544)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (1545)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (1546)
<223> n equals a,t,g, or c


<400> 210
ttaaggctgt ccgctctggg ctccgcggcc tcggcccgct gcactccacc tccgccccct 60
cggactccct cccctctgct tctactcctc ctgctccagt gcggatcgtt tcgcaactgc 120
ttgccactcg tcccgtgcct ggctgttttly ccatttcccg gcccctctt cttgagtact 180
ttacccctg catttgggga cagggactgg aaaaggggcg ggtggagcgt ccagtggaga 240
agaaggaagc gaggcccgca gaggaggagg atcggcggac tgtggggagg agaccccacg 300
ccaccctttc tggtcatctc ccctcccgcc ccgcccctgc gcacactccc tcgcgggcga 360
gctactttcg gaccaggaaa gtaagagcgg ccctgggtga cagcgccgcg gggccagtcc 420
cggggttagc cgcgcgtctg ctcgcttctg gtccgtcgcg ctcccagcca gggcacagcg 480
gaccgaggat ggcttcgacc acaacctgca ccaggttcac ggacgagtat cagcttttcg 540
aggagcttgg aaagggggca ttctcagtgg tgagaagatg tatgaaaatt cctactggac 600
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tagaaagaga agctagaatc tgccgtcttt tgaagcaccc taatattgtg cgacttcatg 720
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tgccaaacgc atcacagcct cagaggcact gaagcaccca tggatctgtc aacgttctac 1320
tgttgcttcc atgatgcaca gacaggagac tgtagactgc ttgaagaaat ttaatgctag 1380
aagaaaacta aagggtgcca tcttgacaac tatgctggct acaaggaatt tctcagcagc 1440
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caagagtttg ttgaagaaac cagatggagt aaaggagtca actgagagtt caaatacaac 1500
aattgaggat gaattcagct tggacttaac caggttgact cannnngggg g          1551
```

<210> 211
<211> 1011
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (801)
<223> n equals a,t,g, or c

<400> 211
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tttcttcttt tgttgttggg gtctgtgact gcggatataa ctgacggcaa cagtgaacat 180
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atgcacgtcc acttcaaagt ccacggcaca gggaagaaga acctccatgg agacggcatc 420
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ggggcctccg ccggcaccgg nracctgtct gacaatcatg acatcatctc catgaaagct 840
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tcgagcccag cgtcaacttc tcaagtcgcc caaagacaac gtggacgacc ccacggggaa 960
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<210> 212
<211> 1639
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1630)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1637)
<223> n equals a,t,g, or c

<400> 212

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ggtggaaacc atctccccag gagacgggcg caccttcccc aagcgcggcc agacctgcgt 180
ggtgcactac accgggatgc ttgaagatgg aaagaaattt gattcctccc gggacagaaa 240
caagcccttt aagtttatgc taggcaagca ggaggtgatc cgaggctggg aagaaggggt 300
tgcccagatg agtgtgggtc agagagccaa actgactata tctccagatt atgcctatgg 360
tgccactggg cacccaggca tcatcccacc acatgccact ctcgtcttcg atgtggagct 420
tctaaaactg gaatgacagg aatggcctcc tcccttagct ccctgttctt ggatctgccr 480
tggagggatc tggtgcctcc agacatgtgc acatgartcc atatggagct tttcctgatg 540
ttccactcca ctttgtatag acatctgccc tgactgaatg tgttctgtca ctcagctttg 600
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ttcagtcttt tggatatagg tttccaatta agtacatggt caagtattaa cagcacaagt 780
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ctccaccatt cccacccacc ctccccttaa accctctgcc tttgaaagta gatcatgttc 1080
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taatctcata actttccaag ctccaccact tcctaaatct taagaacttt aattgacagt 1260
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tctcacccct ttgctgtcct gtgtagtgat ttggtgagaa atcgttgctg cacccttccc 1500
ccagcaccat ttatgagtct caagttttat tattgcaata aaagtgcttt atgccggctt 1560
ttctcaaaaa aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1620
aaaaaaaaan gggggggncc                                              1639
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<210> 213
<211> 2127
<212> DNA
<213> Homo sapiens

<400> 213

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tggctctctc atgtccttgg cttgctcctc tattctacct ctctttctcc agcaataata 180
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```

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<210> 214
<211> 1166
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1163)
<223> n equals a,t,g, or c

<400> 214
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ctccggtctc accatcctgt cccagccgct catgtacgtg aaagtgctca tccaggtggg 180
atatgagcct cttcctccaa caataggacg aaatattttt gggcggcaag tgtgtcagct 240
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tgggaagact tattgttgtg acctgaaaat gttaatttga agatgtgggg cagggacagt 1020
```

```
gacatttctg tagtcccaga tgcacagaat tatgggagag aatgttgatt tctatacagt 1080
gtggcgcgct tttttaataa tcatttaatc ttgggaaaaa aaaaaaaaaa aaaaaaaaaa 1140
aacggggggg gcccggaacc canttc                                       1166


<210> 215
<211> 3323
<212> DNA
<213> Homo sapiens


<400> 215
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aggrcaagaa ggccgagggg rcccmkaacc agggcargaa ggccgagggg gcccmgaacc 180
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agggcaagaa ggccgagggg gcccagaayc agggcaagaa ggccgagggg gcccagaayc 300
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agggcaaaaa agtakaaggg gcccagaacc agggcaagaa ggctgagggg gcccagaacc 420
agggcaagaa ggccgagggg gctcagaacc agggcaaaaa ggccgaggga gcccagaacc 480
agggccaaaa aggagaggga gcccagaatc agggtaaaaa gacagaaggg gctcagggca 540
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cggacctggc ctccaagttg agggaggccg aggagacgca gagcacactg caggccgagt 2340
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agaagtcccg ggtcacagtg aagcatctcg aagagattgt agagaagcta aaaggagaac 2520
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acatggcggc cgccagcgcc gagtgccaga actacgccaa ggaggtggca gggctgaggc 2640
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ggggcccggt acccaattcg ccc                                      3323
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<210> 216
<211> 1408
<212> DNA
<213> Homo sapiens

<400> 216
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cttaaaacta aaaacttgag tctaccattt cttggttgca ctgaaaatac cgcccagcct 180
gatggtgttc ccgtgctgtc cctccccctt cccttctccc cgcgtctacc tccccacccc 240
gttctgttcc ccctccctcc ttctccctct ccctcaaatc cgtgagtttt ggaagcccca 300
gggcctctct cccccgcccc tcctggatga ggccaccatc ccccaaaccg gcttgttttg 360
cagtttcccc aggatcctgg aagctcgctg gcgctcgagg gtggcgggga cacggggggg 420
tgggtgaagg ttcgttacct tttctagtgc gttctatcat agttaacggt tgcacacttt 480
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caattttaaa gggcgatgta tccagcgttg tgaaggcaac agagtgtacc catatttata 660
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<210> 217
<211> 2111
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2104)
<223> n equals a,t,g, or c

<400> 217

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tgagcctgag aaatgccagt ggcctgacag cagcagacat tgcacaaacc cagggtttcc 180
aagagtgtgc ccagtttctc ttgaacctcc agaattgtca tctgaaccat ttctataaca 240
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atcgaaagag atgcttggga agactcagaa gactttggag taaagaaagc tagaactgaa 360
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tttgttctaa aactgtcctt cacaaattga ataaaaaact ctcacactca aaaaaaaaaa 2040
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2100
ananaaaaaa a                                                     2111
```

<210> 218
<211> 2493

<212> DNA
<213> Homo sapiens

<400> 218

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cgctcttcct tccgcttgcg ctgtgagctg aggcggtgta tgtgcggcaa taacatgtca 120
accccgctgc ccgccatcgt gcccgccgcc cggaaggcca ccgctgcggt gattttcctg 180
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caagaaaaaa aaaaagtttt gttttttctt tattgtcctt catagcaggc caagtattgc 1500
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<210> 219
<211> 1259
<212> DNA
<213> Homo sapiens

<400> 219

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accgcatctc actgcaccgc cgcctgcccg wgcgctggaa cccgctgtgc aaagagaaga 180
aatatgatta tgataatttg cccaggacat ctgttatcat agcattttat aatgaagcct 240
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aagaagtgat ccttgtagat gactacagtg atagagagca cctgaaggag cgcttggcca 360
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tgcgagcccg gctgctgggg gcgtctgcgg cgarggcga tgttctgacc ttcctggact 480
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ccagaacaaa ggactaacag actactgctt tgactwtaac cctcccgatg aaaaccagat 1200
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<210> 220
<211> 1849
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (920)
<223> n equals a,t,g, or c

<400> 220

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cagaagaaag ccatagggca gtaggggagc tcctattgcc tagccctct cccttgtgg 120
ctcccactct agctgcctat ttttgctcat cagctggtga gtcagtatgg gccagcagtt 180
ctccctccct aagcccttgc tactttatgg gttagctttg caggtttggt ggcttgaggg 240
gtgggggcaa ctcaccactg ccaggtaact ccctgaaggg tgggagtgga ttatcttcta 300
ggctcttacc cgcggtaggg aagggcatca acactgtctt ccttccattc tcctttcccc 360
catcccattt agtgctgcca cagggcagaa gcacacaaac caaccacaca gtctctgact 420
tctcctaagc actttgagtt gttgaatggg gctcaggggc aagagttttt gctgccctcc 480
ccagcgtggt cacaggtta ttgaactgcc tgcacttgtt tctcatgcaa ctccagcatt 540
ttccccagaa gttgaactat ggatagcagc ttggtatgga tttcctaaat cttaacattt 600
gaagcagctt cttgaggctg gcaactatcc tggtttctgt cttggagggg gtggtttgtt 660
tgctgggggcc caacgtctgt cccaagtggt ggggtgagag taagttaact ttggtgccag 720
gtgagaggtg ggggctcttt gcttagactc cctatcatgg aaagattgga gttttctatg 780
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```

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cacctcgcca atgttgttgt tgctgccttt ttgatttgta tcctctgtta tagacattt: 1020
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gcttaagttg taaatttagt attctttagt gtctaggata tgctgggtat tatgcagaaa 1260
tcatacagtg tggccagtgt cctgaggtaa tgttttgcat ttaaattttt ttagaaagca 1320
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ggcagaaagg tgggtgaact ctcagaactt ttggtgggtg gatattcatc tgaccagtga 1740
gctctgaaat ggtttcccta cacagagtgg gttttggcaa gggttggaat gaggggaggt 1800
agcagtcttg tcatttagaa aatcaaagct agttttgatg tagctcaac          1849
```

<210> 221
<211> 1267
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1264)
<223> n equals a,t,g, or c

```
<400> 221
cggattatgc ngamacnccc cagggnttrt gctatgacgt cgcatgcacg cgtaagcttg 60
ggcccctcga gggatcctct agagcggccg ccgcggcatt cggggaatct gcagggcaga 120
tgagtaacga aagaggcttt gaaaatgtag aactgggagt cataggaaaa aagaagaaag 180
tcccaaggag agtcatccac tttgttagtg gtgaaacaat ggaagaatat agcacagatg 240
aagacgaagt tgatggcctg gagaagaaag atgttttgcc tactgttgat ccgacaaaac 300
ttacctgggg tccctactta tggttttaca tgcttcgggc tgctacatca actctctcag 360
tgtgtgactt ccttggagag aagattgcat ctgttttggg tatcagcacc ccaaagtacc 420
aatatgccat tgatgaatat tatcggatga agaaggagga agaagaagaa gaagaagaaa 480
acaggatgtc tgaagaagca gaaaaacaat atcaacagaa taaattgcag actgattcca 540
ttgttcagac agatcaacca gagacagtga tatccagctc atttgtgaat gtcaattttg 600
aaatggaggg agacagtgaa gtaattatgg aaagcaagca aaatccagtc tctgtcccac 660
cataaaatga aatgactatc aagcttcaaa ctcttaagtt tttttttttt aatacaaaaa 720
ctttcacatt ctttattcag tgggacttaa tacaattatt tatattttaa attattaaag 780
tatctggaaa gggaaaatgt tttcttcatt tttaggatct atctagcaaa agccagatct 840
gaaattcaga tatttgtact gttttactg tgtatagaaa ttagtgcttt ggttttaaaa 900
tgatctttta aaaagttaa ggacatccta gagccttaat agttaagaag agttaaatta 960
tcaagcctat ttgtgcattt gctttttttg aaaaaggtaa gttgctgatt aagtctaatt 1020
ggaattgata attccatagt cttagattaa aatgaggata ttttctccta gattttctca 1080
tgttatgcca tgcatttata tatctaacca ttaatttcac actaaggatg cttcaccata 1140
taataaaagg agcaagatgg aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1200
aaaaggggcg gacgcgtggg tccgacccgg gaattcccgg atcngtcact gncgggctga 1260
cttntct                                                           1267

<210> 222
<211> 754
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (702)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (710)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (754)
<223> n equals a,t,g, or c

<400> 222
cagagaactg agatgaaagc aatgatgaag ggaccctggg accctgcctt tcctctccct 60
actcagcagg agcttatgaa gtcatctcac tttctcttct gtcccccctc tcctcttcat 120
gcaggtataa agaaatatga ggccccaatt ggaacagcag catggagggt cccagttggg 180
tccccaacgt gctccccatg ggcaagacaa tggaaacttc cacaagcagg gaaggcaaac 240
cctctttatt gaacattagc cagcccagcc cagaccccag ggctgctaag gacacagaga 300
ttctccatgg gaaggggact gccaagcatg aggaaataga agattcaggg gcctgarctc 360
```

```
tggaagctgc aagcaaaagg gatgggacta gggctgagtt gtgtctycat tttgataagg 420
aaaggatatg ctcacactct tgcttgttca gattccaaga cagaaggctt cacaaggcca 480
acgcctggaa aatgggcatc tctccctccc atgttaagct ttaacctctg taatctgcct 540
gtatctatag gtgggcatct cactccatca aaggagccca gcctcttttg tcctctacca 600
tgcacagtct ttctgtgcat ttccccaagc tgggccctct tctactctca tttaggcctg 660
tgataactca ttacccaccc atcacttgtg tcttcagggc anacttggcn aagcaggaa 720
ttgccttgga cataaattga agggcactcc tttn                             754
```

<210> 223
<211> 1258
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1247)
<223> n equals a,t,g, or c

<400> 223
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aacgatacag ccaaggmgat caccatcaac aagattctkt nccaacgwga gccttgtgca 60
ggagaacctg tacttccagc gctgcctaga ctggaaccgt gacatcctca agaaggagct 120
gggactgaca gagcaggaca tcattgacct gcccgctctg ttcaagatgg acgaggacca 180
ccgtgccaga gccttcttcc caaacatggt gaacatgatc gtgctggaca aggacctggg 240
catccccaag ccattcgggc cacaggttga ggaggaatgc tgcctggaga tgcacgtgcg 300
tggcctcctg gagcccctgg gcctcgaatg caccttcatc gacgacattt ctgcctacca 360
caaatttctg ggggaagtcc actgtggcac caacgtccgc aggaagccct tcaccttcaa 420
gtggtggcac atggtgccct gaccctccag gggccctggc gtttgcctcc ttmgcttart 480
tctccagacc ctycctcaca ygcccagagc cttctgctga catggactgg acagccccgc 540
tgggagacct ttgggacgtg gggtggaatt tggggtatct gtgccttgcc ctccctgaga 600
ggggcctcag tgwcctctga agccatcccc agtgagcctc gactctgtcc ctgctgaaaa 660
tagctgggcc agtgtctctg tagccctgac ataaggaaca gaacacaaca aaacacagca 720
aaccatgtgc ccaaactgct ccccaaaaraa ttttgagtct ctaatctgac actgaatgag 780
gggagaaggg aaggagattc tgggattgcc agttcttcca gcagccatgc tctgaaaatc 840
aaggtagaat ccatggaaag ggaccccagg accccgggac cctagacgta tcttgaactg 900
ccatcgtcat ttcaaataca tctccctcag ggtttccagg tggccacccc caatwattca 960
ttccttacca acctctcaaa tcctcttggc tttctctctg cagtgtggac actgttggct 1020
```

```
agtcctcccc actccctgag ggtccagtaa gttagcttag aaccttcctg ggaaacattt 1080
catctggagg caggkttccc cacgtgtggg atgctccttt ttgcctcatc tgtcttcagg 1140
ggatggcagg ctcccccgca ttgcatgggg gattttttcc ccagaccagg cataatttgt 1200
ggacntgagg agtttcaatg tgttaaagat ggccctgggt naagccntat tccatctt   1258
```

<210> 224
<211> 584
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (577)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (583)
<223> n equals a,t,g, or c

<400> 224
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cttacccaga aggcaacgct tctctttctg gtcaaaatgg ctggtaagca ggccgtttca 60
gcatcaggca agtggctgga tggtattcga aaatggtatt acaatgctgc aggattcaat 120
aaactggggt taatgcgaga tgatacaata tacgaggatg aagatgtaaa agaagccata 180
agaagacttc ctgagaacct ttataatgac aggatgtttc gcattaagag ggcactggac 240
ctgaacttga agcatcagat cttgcctaaa gagcagtgga ccaaatatga gaggaaaat 300
ttctaccttg aaccgtatct gaaagaggtt attcgggaaa gaaaagaaag agaagaatgg 360
gcaaagaagt aatcatgtag ttgaagtctg tggatgcagc tgttatgaag atggttaaac 420
ttgaaacaaa caattttaag aattatttgg tctgaagatg ttttacttta aataaatgtc 480
tattgtaatg gcwnnaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 540
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aagggngngc cgnt                  584
```

<210> 225
<211> 3449
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3443)
<223> n equals a,t,g, or c

<400> 225
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gcgagcacgt tagaaagcct gacatggcct gactcgggac agctcagagc agggcagaac 60
tggggacact ctgggccggc cttctgcctg catggacgct ctgaagccac cctgtctctg 120
gaggaaccac gagcgaggga agaaggacag ggactcgtgt ggcaggaaga actcagagcc 180
gggaagcccc cattcactag aagcactgag agatgcggcc ccctcgcagg gtctgaattt 240
cctgctgctg ttcacaaaga tgctttttat ctttaacttt ttgttttccc cacttccgac 300
cccggcgttg atctgcatcc tgacatttgg agctgccatc ttcttgtggc tgatcaccag 360
acctcaaccc gtcttacctc ttcttgacct gaacaatcag tctgtgggaa ttgagggagg 420
agcacggaag ggggtttccc agaagaacaa tgacctaaca agttgctgct tctcagatgc 480
caagactatg tatgaggttt tccaaagagg actcgctgtg tctgacaatg ggccctgctt 540
gggatataga aaaccaaacc agccctacag atggctatct tacaaacagg tgtctgatag 600
agcagagtac ctgggttcct gtctcttgca taaaggttat aaatcatcac cagaccagtt 660
tgtcggcatc tttgctcaga ataggccaga gtggatcatc tccgaattgg cttgttacac 720
gtactctatg gtagctgtac ctctgtatga caccttggga ccagaagcca tcgtacatat 780
tgtcaacaag gctgatatcg ccatggtgat ctgtgacaca ccccaaaagg cattggtgct 840
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ctttgatgat gacctgaagc aaagagggga gaagagtgga attgagatct tatccctata 960
tgatgctgag aacctaggca aagagcactt cagaaaacct gtgcctccta gcccagaaga 1020
cctgagcgtc atctgcttca ccagtgggac cacaggtgac cccaaaggag ccatgataac 1080
ccatcaaaat attgtttcaa atgctgctgc ctttctcaaa tgtgtggagc atgcttatga 1140
gcccactcct gatgatgtgg ccatatccta cctccctctg gctcatatgt ttgagaggat 1200
tgtacaggct gttgtgtaca gctgtggagc cagagttgga ttcttccaag gggatattcg 1260
gttgctggct gacgacatga agactttgaa gcccacattg tttcccgcgg tgcctcgact 1320
ccttaacagg atctacgata aggtacaaaa tgaggccaag acacccttga agaagttctt 1380
gttgaagctg gctgtttcca gtaaattcaa agagcttcaa aagggtatca tcaggcatga 1440
tagtttctgg gacaagctca tctttgcaaa gatccaggac agcctgggcg gaagggttcg 1500
tgtaattgtc actggagctg cccccatgtc cacttcagtc atgacattct ccgggcagc 1560
aatgggatgt caggtgtatg aagcttatgg tcaaacagaa tgcacaggtg gctgtacatt 1620
tacattacct ggggactgga catcaggtca cgttggggtg cccctggctt gcaattacgt 1680
gaagctggaa gatgtggctg acatgaacta ctttacagtg aataatgaag gagaggtctg 1740
catcaagggt acaaacgtgt tcaaaggata cctgaaggac cctgagaaga cacaggaagc 1800
cctggacagt gatggctggc ttcacacagg agacattggt cgctggctcc gaatggaac 1860
tctgaagatc atcgaccgta aaaagaacat tttcaagctg gcccaaggag aatacattgc 1920
accagagaag atagaaaata tctacaacag gagtcaacca gtgttacaaa tttttgtaca 1980
cggggagagc ttacggtcat ccttagtagg agtggtggtt cctgacacag atgtacttcc 2040
ctcatttgca gccaagcttg gggtgaaggg ctcctttgag gaactgtgcc aaaaccaagt 2100
tgtaagggaa gccatttttag aagacttgca gaaaattggg aaagaaagtg gccttaaaac 2160
ttttgaacag gtcaaagcca tttttcttca tccagagcca ttttccattg aaaatgggct 2220
cttgacacca acattgaaag caaagcgagg agagctttcc aaatactttc ggacccaaat 2280
tgacagcctg tatgagcaca tccaggatta ggataaggta cttaagtacn tgccggccca 2340
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tcctattttt ttttaacctg ttaaactcta aagccatagc ttttgtttta tattgagaca 2460
tataatgtgt aaacttagtt cccaaataaa tcaatcctgt ctttcccatc ttcgatgttg 2520
ctaatattaa ggcttcaggg ctacttttat caacatgcct gtcttcaaga tcccagttta 2580
tgttctgtgt ccttcctcat gatttccaac cttaatacta ttagtaacca caagttcaag 2640
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ctgcttacaa ttcatgtttt ctagccactc cacaaaccac taaaattta gtttagcct 2820
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aattgtgtac tgaagggaaa agtttgatca taccaaacat ttcctaaact ctctagttag 2940
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ttcttaaagc attatttaca gtaggaactg gggagtaaat ctgttcccta cagtttgctg 3060
ctgagctgga agctgtgggg gaaggagttg acaggtgggc ccagtgaact tttccagtaa 3120
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gatgcccaca caacaggctt attttctgtg aaggaaccaa ctgatctccc ccacccttgg 3240
attagagttc ctgctctacc ttacccacag ataacacatg ttgtttctac ttgtaaatgt 3300
aaagtcttta aaataaacta ttacagatam ttaaaaaaaa aaaaaaaaaa aaaaaaaaaa 3360
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 3420
aaaaaaaaaa aaangggggg ccnttttaa                                   3449
```

<210> 226
<211> 1866
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1859)
<223> n equals a,t,g, or c

<400> 226
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caccaatgtt gataaactgg tgaaggacat ttacggagga gactatgaac gatttggcct 60
tcaaggatct gctgtagcat caagctttgg caacatgatg agtaaagaaa agcgagattc 120
catcagcaag gaagacctcg cccgggccac attggtcacc atcaccaaca acattggctc 180
cattgctcgg atgtgtgcgt tgaatgagaa catagacaga gttgtgtttg ttggaaattt 240
tctcagaatc aatatggtct ccatgaagct gctggcatat gccatggatt tttggtccaa 300
aggacaactg aaagctctgt ttttggaaca tgagggttat tttggagccg ttggggcact 360
gttggaactg ttcaaaatga ctgatgayaa gtagagacga gcagtggagg aaacagcctc 420
ccaaaaggac agagaactaa aaaattgctg ctggagaagg tgaaagtcgc tttgggacgg 480
aagccaagcc attatggcag atgaacctgc tggatttgta ataatttaa aatccttcca 540
gatgatcttt tactcttagg ttttgagcta atgattcaaa acgggggaat ataaaaggtt 600
ttttttctgt atactgtatt ttttttaaaaa aatggtgcag cgtggccaaa cctaccaatt 660
gtatgcatta actttgaaaa gttgtttgat gtttaagaag gacctgatat gtaagcgctg 720
gtcatttttc ttctgggggtt tactgatcag tgtggtgatt ttaacttcat ttagtaatta 780
ctctaggaga ttttaccttg acttatattt ttcatgacgt ttcatgattt gctgttggtt 840
tcaaatgaaa ctacaaatct ggcatgtttt actgtgaaca cttttgttat ttgttttgta 900
cccttttttg tcttgktttt ctgktttagt tgkcttctga aaaagagtc gttccctctg 960
tttctgtcct cagatgatgt ccctccccct acctgtaacc tttctttgac ataattgttc 1020
atatcaatga aggtgctgac cagctcaata caaagttaag cacaagatct aaagctcttg 1080
aaaatgcccg tgaagagaag actgaatgtg ttaatgaatt taatgagtct ggcaaaagtt 1140
gcaaattata tgcaagtttg tcctatcgct tataaatgta gtgtttcatt ggatttattt 1200
```

```
tatgctaggt tatattaagt tgaaatagtc tgtgattaaa tgtcctcatc catgcacaga 1260
atatgaatgg cagcaaatct ttgtgcaaga aatttgaaac ttattgggaa aagcctccca 1320
gtagattaat tgttcatatc aggagattta gggtaagtca tgggttgagg tgtcagatag 1380
taatatctat ttgttttgta catgtatata tctaggaact ttgtaacaac acatctttaa 1440
taatgttaaa ggttttttca tttttaatat tttaaactaa aaactgtact tcaatctcag 1500
tttctaaaat taaaaataat ttatactgat ctatatattt tttctttttg aaagatttca 1560
ttaagactga tgggtaactt tcaaatgagg gtcatgtaca aatattggga tgcatgagat 1620
cccatgatct tgtgtattga gcttattgtt gaaagggatt tttgaaggac agaacaatta 1680
ctccatgatg aatcttcctt tctctgcctt ctgagcaccg tctttaattt ccatatcttc 1740
aagtcttgaa gaagttgatg ttaattgaag aattcacttg tctggttgaa ataaagcctg 1800
tttctgttgt gaaaaaaaaa aaaaaaaact sgtgggggc ccggacccaa ttgccctang 1860
ggagcc                                                             1866
```

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<210> 227
<211> 1064
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<400> 227
ggcaacagca tggccacaat tttatagcag caaaatgaag caaaaatcaa aggagttagc 60
aaaggcagaa acatatgtgt agtgtgctgc cagcataaga tggaagaact taaagaaggc 120
ctgcggcaaa gagatgagct tattgaggag aagcagcgca tgcagcagaa aatagacacc 180
atgacaaaag aggtgtttga cctccaggng acacttcttt ggaaagataa aaaaattgrg 240
aaacatggct tagttataat ccccgatggc actcccaatg gtgatgtcag tcatgaacca 300
gtggctggag ccatcactgt tgtgtctcag gaagctgctc aggtcttgga gtcagcagga 360
gaagggccat tagatgtaag gctacgaaaa cttgctggag agaaggaaga actactgtca 420
cagattagaa aactgaagct tcagttagag gaggaacgac agaaatgctc caggaatgat 480
ggcacagtgg gtgacctggc aggactgcag aatggctcag acttgcagtt catcgaaatg 540
cagagagatg ccaatagaca aattagcgaa tacaaattta agctttcaaa agcagaacag 600
gatataacta ccttggagca aagtattagc cggcttgagg gacaggttct gagatataaa 660
actgctgctg agaatgctga gaaagttgaa gatgaattga agcagaaaa acggaagcta 720
caacgagagt tacgaacagc actggacaag attgaggaga tggagatgac caacagccac 780
ctggccaagc ggctggagaa gatgaaggcc aataggacag cacttctggc ccagcagtag 840
gaaaaccacc cttcaacctg ggtgatgctc cttggggccc tacctagagg gactgacttt 900
tgtccattga cacaaacccc ttttagtact gttttgagtt ttgtcattaa aacagccacc 960
tttgtatttt ataatttatg acagratgaa gtcattttga atctacatga atgaacactt 1020
tggatttttg ttggagtttg attctagggt agaaccagtc catg          1064
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<210> 228
<211> 373
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (329)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<400> 228
gctgcactct caggtattcc ctgctcttac tccaaaaaga tggacccagg tccgaagggg 60
cactgccact gtggggggca tggccatcct ccaggtcact gcgggccacc ccctggccat 120
ggcccagggc cctgcgggcc acccccccac catggcccag ggccctgcgg ccaccccccc 180
caccatggtc cagggccctg cgggccaccc cctggccatg cccagggcc ctgcgggcca 240
cccccccacc atggtccagg gccctgcggg cctcccctg gccatggccc aggtcaccca 300
cccctggtc cacatcactg aggaagtana anaaaacagg acacaagatg gcaagcctga 360
gagaaattgc cca   373

<210> 229
<211> 2844
<212> DNA
<213> Homo sapiens

<400> 229
tcgacccacg cgtccgcagg tgttcaagat ggcggtagct gaggggttga ccgagagacc 60
cagttgamgg cctttacgaa gtgaaagagg ccgggaatcg cccctaccc gcttctcgta 120
gtcctgggag cacagcagaa gtgttttct ttttttaatg aacaagtaaa ccatacaaat 180
tgtcaacatg ggacggagat ctacatcatc caccaagagt ggaaaattta tgaaccccac 240
agaccaagcc cgaaaggaag cccggaagag agaattaaag aagaacaaaa aacagcgcat 300
gatggttcga gctgcagttt taaagatgaa ggatccaaaa cagataatcc gagacatgga 360
gaaattggat gaaatggagt ttaacccagt gcaacagcca caattaaatg agaaagtact 420
gaaagacaag cgtaaaaagc tgcgtgaaac ctttgaacgt attctacgac tctatgaaaa 480
agagaatcca gatatttaca aagaattgag aaagctagaa gtagaatatg aacagaagag 540
ggctcaactt agccaatatt ttgatgctgt caagaatgct cagcatgtgg aagtggagag 600
tattcctttg ccagatatgc cacatgctcc ttccaacatt ttgatccagg acattccact 660
tcctggtgcc cagccaccct ctatcctaaa gaaaacctca gcctatggac ctccaactcg 720
ggcagtttct atccttcctc ttcttggaca tggtgttcca cgtttgcccc ctggcagaaa 780
acctcctggc cctcccctg gtccacctcc tcctcaagtc gtgcagatgt atggccgtaa 840
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atcagatgga gaaagtgacg gggatgaatt tgtgcaccgt gataatggtg agagagacaa 1080
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aggtcaagaa atccctgagg agggacggga agtagaggaa ttttcagagg acgatgatga 1260
agatgattct gatgactctg aagcagaaaa gcaatcacaa aagcagcata aagaggaatc 1320
ccattctgat ggcacatcca ctgcttcttc acagcagcag gctccgccgc agtctgttcc 1380
tccttctcag atacaagcac ctcccatgcc aggaccacca cctcttggac caccacctgc 1440
tccaccatta cggcctcctg ggccacctac aggccttcct cctggtccac tccaggagc 1500
tcctccattc ctgagaccac ctggaatgcc aggactccga gggcccttac ccgactttt 1560
acctccagga ccaccaccag gccgacccc tggcctccc ccaggtccac tccaggtct 1620
gcctcctggt cccccctcctc gtggacccc accaaggcta cctcccctg cacctccagg 1680
tattcctcca cctcgtcctg gcatgatgcg cccacctttg gtgcctcccc ttggacctgc 1740

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cccccctggg ctgttcccac cagctccctt gccaaaccct ggggttttaa gtgccccacc 1800
caacttgatt cagcgaccca aggcggatga tacaagtgca gccaccattg agaagaaagc 1860
cacagcaacc atcagtgcca agccacagat cactaatccc aaggcagaga ttactcgatt 1920
tgtgcccact gcactgagag tacgtcggga gaataaaggg gctactgctg ctccccaaag 1980
aaagtcagag gatgattctg ctgtgcctct tgccaaagca gcacccaaat ctggtccttc 2040
tgttcctgtc tcagtacaaa ctaaggatga tgtctatgag gctttcatga aagagatgga 2100
agggctactg tgacagcttt tgatgccaga aaaggcttct gttcacaaca gtggcccatg 2160
gagaaagagg ctcttattaa acttagatga aagagctgct tccattgtca gggtattttc 2220
taatttcagt tcaaggaata tcctaaaatt tagccttgtt cagaatttac tgcacataaa 2280
aaagggtatt tcatccagaa tagatcagtt attgaagcag tgctgctaac atccattccc 2340
tttcatacca ccattttcac cctgtttctt cccctcctcc agttctttgg aaatttgtga 2400
tcgggggatc ttagttgctt atttgttttg actcttgtgt gctgtgggca ctggagtaga 2460
gatttctgga gaaaaaaaaa cagtttattt catcttgcct tttgtgtttg agttattttt 2520
aatattttcc tgtaaatatt ttgtaatatt ttacttgtaa tgaaatggat cacaatgtca 2580
tttcctaata caaggcagga tatgtgggaa gaatatgtac aattatttga ttaaaattat 2640
ttcccactga cctaaacttt cagtgatttg tgggaaaaat aaataaatgt tctacaccaa 2700
gatactctgt gttactgata atatgtaaac ataataccta ttttatggga caggaaaaag 2760
ttaaaatatt taaaaacttg gggttttaa gggaactgcc tttctgggta cagatgagga 2820
tcttactgga aaactgggta aaaa                                        2844
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<210> 230
<211> 1798
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<220>

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<221> misc feature
<222> (1798)
<223> n equals a,t,g, or c

<400> 230
ngcaaatata cgtgnacact tatnaaaagt nacgcctgac acgtgaccgg ttccgggaat 60
tcccgggtcg acccacgcgt ccggcccagc actagaagtc ggcggtgttt ccattcggtg 120
atcagcactg aacacagagg actcaccatg gagtttgggc tgagctgggt tttcctcgtt 180
gctcttttaa gaggtgtcca gtgtcaggtg cagctggtgg agtctggggg aggcgtggtc 240
cagcctggga ggtccctgag actctcctgt gcagcstctg gattcacctt cagtagctat 300
ggcatgcact gggtccgcca ggctccaggc aaggggctgg agtgggtggc agttatatsr 360
tatgatggaa gtaataaata ctatgcagac tccgtgaagg gccgattcac catctccaga 420
gacaattcca agaacacgct gtatctgcaa atgaacagcc tgagagctga ggacacggct 480
gtktattact gtgcgaraga ngttactatg gttcggaaag catctactac tactttgact 540
ctggggccag ggaacmctgg tcaccgtctc ctcagcctcc accaagggcc catcggtctt 600
ccccctggca ccctcctcca gagcacctc tggggcaca gcggccctgg gctgcctggt 660
caaggactac ttccccgaac cggtgacggt gtcgtggaac tcaggcgccc tgaccagcgg 720
cgtgcacacc ttcccggctg tcctacagtc ctcaggactc tactccctca gcagcgtggt 780
gaccgtgccc tccagcagct tgggcaccca gacctacatc tgcaacgtga atcacaagcc 840
cagcaacacc aaggtggaca agaragttga gcccaaatct tgtgacaaaa ctcacacatg 900
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tgccaagaca aagccgcggg aggagcagta caacagcacg taccgtgtgg tcagcgtcct 1140
caccgtcctg caccaggact ggctgaatgg caaggagtac aagtgcaagg tctccaacaa 1200
agccctccca gcccccatcg agaaaaccat ctccaaagcc aaagggcagc cccgagaacc 1260
acaggtgtac accctgcccc catcccggga kgagmtgacc aagaaccagg tcagcctgac 1320
ctgcctggtc aaaggcttct atcccagcga catcgccgtg gagtgggaga gcaatgggca 1380
gccggagaac aactacaaga ccacgcctcc cgtgctggac tccgacggct ccttcttcct 1440
ctayagcaag ctcaccgtgg acaagagcag gtggcagcag gggaacgtct tctcatgctc 1500
cgtgatgcat gaggctctgc acaaccacta cacgcagaag agcctctccc tgtcyccggg 1560
taaatgagtg cgacggccgg caagcccccg ctccccgggc tctcgcggtc gcacgaggat 1620
gcttggcacg taccccgtst acatacttcc crggcrccca gcatggaaat aaagcaccca 1680
scrctgccct gggcccctgc aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1740
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaawaa aaaaaaaaaa aaaaaan   1798

<210> 231
<211> 1823
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1593)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (1714)
<223> n equals a,t,g, or c

<400> 231
gtcgcctgcc acccgcttcg gccacggcca gacgcccgcg gccttcctca gcgctctgct 60
gccctcgcag ccgccgccgg gncggtcaac gccctggggc tgcccaaggg tgtcaccccc 120
gcagatttcc aaagaaggcc agtagaactg ctagaatagc ctccgatgag gaaattcaag 180
gcacaaagga tgctgttatt caagacctgg aacgaaaact tcgcttcaag gaggacctcc 240
tgaacaatgg ccagccgagg ttaacatacg aagaaagaat ggctcgtcga ctgctaggtg 300
ctgacagtgc aactgtcttt aatattcagg agccagaaga ggaaacagct aatcaggaat 360
acaaagtctc cagctgtgaa cagagactca tcagtgaaat agagtacagg ctagaaaggt 420
ctcctgtgga tgaatcaggt gatgaagttc agtatggaga tgtgcctgtg gaaaatggaa 480
tggcaccatt ctttgagatg aagctgaaac attacaagat ctttgaggga atgccagtaa 540
ctttcacatg tagagtggct ggaaatccaa agccaaagat ctattggttt aaagatggga 600
agcagatctc tccaaagagt gatcactaca ccattcaaag agatctcgat gggacctgct 660
ccctccatac cacagcctcc accctagatg atgatgggaa ttatacaatt atggctgcaa 720
accctcaggg ccgcatcagt tgtactggac ggctaatggt acaggctgtc aaccaaagag 780
gtcgaagtcc ccggtctccc tcaggccatc ctcatgtcag aaggcctcgt tctagatcaa 840
gggacagtgg agacgaaaat gaaccaattc aggagcgatt cttcagacct cacttcttgc 900
aggctcctgg agatctgact gttcaagaag gaaaactctg cagaatggac tgcaaagtca 960
gtgggttacc aaccccagat ctaagctggc aactagatgg aaagcccgta cgccctgaca 1020
gtgctcacaa gatgctggtg cgtgagaacg gggtgcactc tctgatcata gagccagtca 1080
cgtcacgtga tgccggcatc tacacatgta tagctaccaa ccgagcagga cagaactcat 1140
tcagcctgga gcttgtggtt gctgctaaag aagcacacaa accccctgtg tttattgaga 1200
agctccaaaa cacaggagtt gctgatgggt acccagtgcg gctggaatgt cgtgtattgg 1260
gagtgccacc acctcagata ttttggaaga aagaaaatga atcactcact cacagcactg 1320
accgagtgag catgcaccag gacaaccacg gctacatctg cctgctcatt cagggagcca 1380
caaaagaaga tgctgggtgg tatactgtgt cagccaagaa tgaagcaggg attgtgtcct 1440
gtactgccag gctggacgtt tacacccagt ggcatcagca gtcacagagc accaagccaa 1500
aaaaagtacg gccctcagcc agtcgctatg cagcactttc ggaccaggga ctagacatca 1560
aagcagcgtt ccaacctgag gccaacccat ctnacctgac actgaatact gccttggtag 1620
aaagtgagga cctgtaatcc agcattcttg ktaaagctga aacacttgaa acagscattg 1680
scttgaccaa catattcctt tgtcacatta tgtnaaaggc agaamcatac ctttgctatt 1740
agaaattaaa aaaacaccaa aatatatttt ctacttgaat accaacttag tttaagtaga 1800
taatgctaat acaaatatac aca   1823

<210> 232
<211> 970
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (936)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (960)

<223> n equals a,t,g, or c

<400> 232
aattcgggac gagggcagcc cgcttgccaa tcagagcgcg gctgagcggc cccgcagcca 60
acccccgagg agcggccggc tggcgtccgc cgcgcccagg agttgggggat gtcctacaaa 120
cccatcgccc ctgctcccag cagcacccct ggctccagca cccctgggcc gggcacccccg 180
gtccctacag gaagcgtccc gtcgccgtcg ggctcagtgc caggagccgg cgctcctttc 240
agaccgctgt ttaacgactt tggaccgcct tccatgggct acgtgcaggc gatgaagcca 300
cccggcgccc agggctccca gagcacctac acggacctgc tgtcagtcat agaggagatg 360
ggcaaagaga tccggcctac ctatgctggc agcaagagcg ccatggagcg cytgaagaga 420
ggaagcgcct cggcctcagc gtctggacct atccggccac tgcagagcac ccgcttctcc 480
ctggccttca tcccgagttg cactaaccat cctgggcttc ctgtcctgtg tcccttggtg 540
ggtcccctcc aggaaccaag gagtggccct ccaggtggca gcactaagga cacccccccca 600
caacaagagt tagcagcgag gtccccatga gtcccaccca tgacctgccg acagtgttgc 660
ccaccggaac ttttgtggcc cctaccgctc agcccttccc agcacttctc ccactttgtc 720
ccgagcctcc ttctccccca gcaggggcac aggcctggca cctccctgcc ttgtgtcctg 780
agccatagtg actcttttat ctgtgtgtct tttgctaaat atgccctttt tatattaata 840
aaagatgatt tggagttgtg ctctcaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 900
aaaaaaaggg cggccgctct agaggatcca tgcttnacgt acgcgtgcat gcgtacgtcn 960
ttgctcttct   970

<210> 233
<211> 967
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (923)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (926)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (955)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (957)
<223> n equals a,t,g, or c

<400> 233
ggcagagcac ttcctggcca ggaaacctga gcggtgagac tcccagctgc ctacatcaag 60
gccccaggac atgcagaacc ttcctctaga acccgaccca ccaccatgag gtcctgcctg 120
tggagatgca ggcacctgag ccaaggcgtc cagtggtcct tgcttctggc tgtcctggtc 180
ttctttctct tcgccttgcc ctcttttatt aaggagcctc aaacaaagcc ttccaggcat 240

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caacgcacag agaacattaa agaaaggtct ctacagtccc tggcaaagcc taagtcccag 300
gcacccacaa gggcraggag gacaaccatc tatgcagagc cagygccaga gaacaatgcc 360
ctcaacacac aaacccagcc caaggcccac accaccggag acagaggaaa ggaggccaac 420
caggcaccgc cggaggagca ggacaaggtg ccccacacag cacagagggc agcatggaag 480
agcccagaaa aagagaaaac catggtgaac acactgtcac ccagagggca agatgcaggg 540
atggcctctg gcaggacaga ggcacaatca tggaagagcc aggacacaaa gacgacccaa 600
ggaaatgggg gccagaccag gaagctgacg gcctccagga cggtgtcaga gaagcaccag 660
ggcaaagcgg caaccacagc caagacgstc attyccaaaa gtcagcacag aatgctggct 720
yccacaggag cagtgtcaac aaggacgaga cagaaaggar tkaccacagc agtcatccca 780
cctaaggaga agaaacctca ggccacccca ccccctgccc ctttccagag ccccacgacg 840
cagagaaacc aaagactgaa gggcggcaac ttcaaatctg agcctcggtg ggattttgag 900
gaaaaataca agcttcgaaa tanganggct tcagacgact tggccttgac tctgngnaga 960
tcaaaag                                                            967
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<210> 234
<211> 2163
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1166)
<223> n equals a,t,g, or c

<400> 234
gcccgagcct gcgatggctc ttccccaccg gaggctcagt ccgtggctgc gtcaaaggca 60
tcaaggccct gggcaagtat gtggacctca agcggctgaa cacgacaggc gtgacgccgg 120
ctgcacygcc gacctgctgg tggggcgcgc catgactttc catggccacg gcttccttcg 180
cctggcgctc tcgaacgtgg caccgctcac tggcaacgtc tactccggct cggcttcca 240
cagcgcccag gacagtgccc tgctctacta ccgggcgtcc ccggatgggc tatgccaggt 300
gtccctgcag cagggccgtg tgagcctaca gctcctgagg actgaagtga aaactcaagc 360
gggcttcgcc gatggtgccc cccattacgt cgccttctac agcaatgcca cgggagtctg 420
gctgtatgtc gatgaccagc tccagcagat gaagccccac cggggaccac cccccgagct 480
ccagccgcag cctgaggggc ccccgaggct cctcctggga ggcctgcctg agtctggcac 540
catttacaac ttcagtggct gcatcagcaa cgtcttcgtg cagcggctcc tgggcccaca 600
gcgcgtattt gatctgcagc agaacctggg cagcgtcaat gtgagcacgg gctgtgcacc 660
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cgccctgcaa gcccagaccc cgggcctggg gcctagagga ctgcaggcca ccgcccggaa 720
ggcctcccgc cgcagccgtc agcccgcccg gcatcctgcc tgcatgctgc ccccacacct 780
caggaccacc cgagactcct accagtttgg gggttccctg tccagtcacc tggagtttgt 840
gggcatcctg gcccgacata ggaactggcc cagtctctcc atgcacgtcc tcccgcgaag 900
ctcccgaggc ctcctcctct tcactgcccg tctgaggccc ggcagcccct ccctggcgct 960
cttcctgagc aatggccact tcgttgcaca gatggaaggc ctcgggactc ggctccgcgc 1020
ccagagccgc cagcgctccc ggcctggcgc tggcacaagg tctccgtgcg ctgggagaag 1080
aaccggatcc tgctggtgac ggacggggcc cgggsctgga gccaggaggg gccgcaccgn 1140
agcaccaggg ggcagannac ccccangccc cacaccctct ttgtgggcgg cctcccggcm 1200
agcagccaca gctccaaact tccggtgacc gtcgggttca gcggctgtgt gaagagactg 1260
aggctgcacg ggaggcccct gggggccccc acacggatgg cagggtcac accctgcatc 1320
ttgggccccc tggaggcggg cctgttcttc ccaggcagcg ggggagttat cactttagac 1380
ctcccaggag ctacactgcc tgatgtgggc ctggaactgg aggtgcggcc cctggcagtc 1440
accggactga tcttccactt gggccaggcc cggacgcccc cctacttgca gttgcaggtg 1500
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cccgcccctc agtgctgtgt gatggccagt ggcaccggct agcggtgatg aaaagcggga 1620
atgtgctccg gctggaggtg gacgcgcaga gcaaccacac cgtgggcccc ttgctggcgg 1680
ctgcagctgg tgccccagcc cctctgtacc tcgggggcct gcctgagccc atggccgtgc 1740
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tcgccatgac tcgctctgtg gaggtccacg gggcagtggg ggccagtggc tgcccagccg 1860
cctaggacac agccaacccc ggcccctggt caggcccctg cagctgcctc acaccgcccc 1920
ttgtgctcgc ctcataggtg tctatttgga ctctaagctc tacgggtgac agatcttgtt 1980
tctgaagatg gtttaagtta tagcttctta aacgaaagaa taaaatactg caaaatgttt 2040
ttatatttgg cccttccacc cattttaat tgtgagagat ttgtcaccaa tcatcactgg 2100
ttcctcctta aaaattaaaa agtaacttct gtgtaaaaaa aaaaaaaaaa aaaaaaaaaa 2160
aaa 2163
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<210> 235
<211> 1321
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1320)
<223> n equals a,t,g, or c

<400> 235
gcgcgacgcc gccacctccg gaacaagcca tggtggcggc gacggtggca gcggcgtggc 60
tgctcctgtg ggctgcggcc tgcgcgcagc aggagcagga cttctacgac ttcaaggcgg 120
tcaacatccg gggcaaactg gtgtcgctgg agaagtaccg cggatcggtg tccctggtgg 180
tgaatgtggc cagcgagtgc ggcttacag accagcacta ccgagccctg cagcagctgc 240
agcgagacct gggcccccac cacttcaacg tgctcgcctt ccctgcaac cagtttggcc 300
aacaggagcc tgacagcaac aaggagattg agagctttgc cgccgcacc tacagtgtct 360
cattccccat gtttagcaag attgcagtca ccggtactgg tgcccatcct gccttcaagt 420
acctggccca gacttctggg aaggagccca cctggaactt ctggaagtac ctagtagccc 480
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cagatggaaa ggtggtaggg gcttgggacc caactgtgtc agtggaggag gtcagacccc 540
agatcacagc gctcgtgagg aagctcatcc tactgaagcg agaagactta taaccaccgc 600
gtctcctcct ccaccacctc atcccgccca cctgtgtggg gctgaccaat gcaaactcaa 660
atggtgcttc aaaggagag acccactgac tctccttcct ttactcttat gccattggtc 720
ccatcattct tgtgggggaa aaattctagt attttgatta tttgaatctt acagcaacaa 780
ataggaactc ctggccaatg agagctcttg accagtgaat caccagccga tacgaacgtc 840
ttgccaacaa aaatgtgtgg caaatagaag tatatcaagc aataatctcc cacccaaggc 900
ttctgtaaac tgggaccaat gattacctca tagggctgtt gtgaggatta ggatgaaata 960
cctgtgaaag tgcctaggca gtgccagcca ataggaggc attcaatgaa catttttgc 1020
atataaamca aaaaataact tgttatcaat aaaaacttgc atccaacatg aatttccagc 1080
cgatgataat ccaggccaaa ggtttagttg ttgttatttc ctctgtatta ttttcttcat 1140
tacaaaagaa atgcaagttc attgtaacaa tccaaacaat acctcacgat ataaataaa 1200
aatgaaagta tcctcctcaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1260
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aanggggggn 1320
c                                                                1321
```

```
<210> 236
<211> 683
<212> DNA
<213> Homo sapiens
```

```
<400> 236
tcgacccacg cgtccgagca gctgctgcag ggcccatggc ggacacccag tacatcctgc 60
ccaatgacat cggcgtgtct agcctggact gccgtgaggc cttccgcctg ctgtcaccca 120
cagagcgcct ctatgcctac cacctgtccc gtgccgcctg gtacggaggc ctggctgtgc 180
tgcttcagac ctcccctgag gccccctaca tctatgctct gctcagccgc ctcttccgcg 240
cccaggaccc cgaccagctg cgccaacatg ccctggctga aggccttacc gaggaggagt 300
atcaggcgtt cctggtctat gccgcgggtg tttactccaa catgggcaac tacaagtcct 360
ttggtgacac caagtttgtt cccaacttgc ccaaggaaaa gctggaacgg gtgatcctag 420
ggagtgaggc tgctcagcag cacccagaag aagtcagggg cctctggcak acctgcgggg 480
agcttatgtt ctctctggag ccaaggcttc gacacctcgg actggggaag gagggaatca 540
ccacctattt ctctgggaat tgtaccatgg aagatgccaa attggccmag atttctggac 600
tcacagaacc tyartgccta caacaaccgg stcttyaaag aagtcsatgg garaaaggaa 660
rccctamtac gaaggtgcgg gtt                                        683
```

```
<210> 237
<211> 2115
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<222> (2112)
<223> n equals a,t,g, or c
```

```
<400> 237
attcccgggt cgacccacgc gtccgggctc cggcaaccgc tccggcaacg ccaaccgctc 60
cgctgcgcgc aggctgggct gcaggctctc ggctgcagcg ctggggtctt gctttgtctc 120
ccaggctggt gtgcagtggt gcgaccacgg ctcacggcag cctcagccac ccagatgtaa 180
gcgatctggt tcccacctca gcctcccgag tagtggatct aggatccggc ttccaacatg 240
tggcagctct gggcctccct ctgctgcctg ctggtgttgg ccaatgcccg gagcaggccc 300
```

```
tctttccatc ccstgtcgga tgagctggtc aactatgtca acaaacggaa taccacgtgg 360
caggccgggc acaacttcta caacgtggac atgagctact tgaagaggct atgtggtacc 420
ttcctgggtg ggcccaagcc accccagaga gttatgttta ccgaggacct gaagctgcct 480
gcaagcttcg atgcacggga acaatggcca cagtgtccca ccatcaaaga gatcagagac 540
cagggctcct gtggctcctg ctgggccttc ggggctgtgg aagccatctc tgaccggatc 600
tgcatccaca ccaatgcgca cgtcagcgtg gaggtgtcgg cggaggacct gctcacmtgc 660
tgtggcagca tgtgtgggga cggctgtaat ggtggctatc ctgctgaagc ttggaacttc 720
tggacaagaa aaggcctggt ttctggtggc ctctatgaat cccatgtagg gtgcagaccg 780
tactccatcc ctccctgtga gcaccacgtc aacggctccc ggcccccatg cacggggggag 840
ggagataccc ccaagtgtag caagatctgt gagcctggct acagcccgac ctacaaacag 900
gacaagcact acggatacaa ttcctacagc gtctccaata gcgagaagga catcatggcc 960
gagatctaca aaaacggccc cgtggaggga gctttctctg tgtattcgga cttcctgctc 1020
tacaagtcag gagtgtacca acacgtcacc ggagagatga tgggtggcca tgccatccgc 1080
atcctgggct ggggagtgga gaatggcaca ccctactggc tggttgccaa ctcctggaac 1140
actgactggg gtgacaatgg cttctttaaa atactcagag gacaggatca ctgtggaatc 1200
gaatcagaag tggtggctgg aattccacgc accgatcagt actgggaaaa gatctaatct 1260
gccgtgggcc tgtcgtgcca gtcctggggg cgagatcggg gtagaaatgc attttattct 1320
ttaagttcac gtaagataca agtttcagrc agggtctgaa ggactggatt ggccaaacat 1380
cagacctgtc ttccaaggag accaagtcct ggctacatcc cagcctgtgg ttacagtgca 1440
gacaggccat gtgagccacc gctgccagca cagagcgtcc ttccccctgt agactagtgc 1500
cgtagggagt acctgctgcc ccagctgact gtggcccccct ccgtgatcca tccatctcca 1560
gggagcaaga cagagacgca ggaatggaaa gcggagttcc taacaggatg aaagttcccc 1620
catcagttcc cccagtacct ccaagcaagt agctttccac atttgtcaca gaaatcagag 1680
gagagatggt gttgggagcc ctttggagaa cgccagtctc ccaggccccc tgcatctatc 1740
gagtttgcaa tgtcacaacc tctctgatct tgtgctcagc atgattcttt aatagaagtt 1800
ttatttttttc gtgcactctg ctaatcatgt gggtgagcca gtggaacagc gggagacctg 1860
tgctagtttt acagattgcc tcctaatgac gcggctcaaa aggaaaccaa gtggtcagga 1920
gttgtttctg acccactgat ctctactacc acaaggaaaa tagtttagga gaaaccagct 1980
tttactgttt ttgaaaaatt acagcttcac cctgtcaagt taacaaggaa tgcctgtgcc 2040
aataaaaggt ttctccaact tgaaaaaaaa aaaaaaaaa aaamwmgggg ggggcccgta 2100
cccattggcc tntgg                                                    2115
```

<210> 238
<211> 1642
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1633)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1638)
<223> n equals a,t,g, or c

<400> 238
```
taagcaggca ctagaggacc tggagcgcac atcaggccgt ggcaccctga tgtcgccacc 60
atgctcaaca tccttgcttt ggtgtatcgt gaccagaata agtataagga agctgcccac 120
ctgctgaatg atgcccttag catccgggag agcaccttgg gacctgacca tcctgctgtg 180
```

```
gctgccacac tcaacaattt ggctgtgctc tatggcaaaa ggggcaagta caaggaggca  240
gagcctctgt gccagcgggc actggagatt cgagaaaagg tcctgggcac gaatcatcca  300
gatgtggcaa aacagctgaa caacctggcc ctcttgtgcc aaaaccaggg caagtatgag  360
gccgtggaac gctactacca gcgagcactg gccatctacg aggggcagct ggggccggac  420
aaccctaatg tagcccggac caagaacaac ctggcttcct gttacctgaa acagggcaaa  480
tatgctgagg ctgagacact atacaaagag atcctgaccc gtgcccatgt acaggagttt  540
gggtctgtgg atgatgacca caagcccatc tggatgcatg cagaggagcg ggaggaaatg  600
agcaaaagcc ggcaccatga gggtgggaca ccctatgctg agtatggagg ctggtacaag  660
gcctgcaaag tgagcagccc cacagtgaac actactctga gaaacctggg agctctgtat  720
aggcgccagg gaaagctgga ggctgctgag accctggagg aatgtgccct gcggtcccgg  780
agacagggca ctgaccctat cagccagacg aaggtggcag agctgcttgg ggagagtgat  840
ggtagaagga cctcccagga gggccctgga gacagtgtga aattcgaggg aggtgaagat  900
gcttctgtgg ctgtggagtg gtccggggat ggcagtggga ccctgcagag gagtggctct  960
cttggcaaga tccgggatgt gctccgcaga agcagtgaac tcttggtgag gaagctccar 1020
gggactgagc ctcggccctc cagcagcaac atgaagcgag cagcctcctt gaactatctg 1080
aaccaaccta gtgcagcacc cctccaggtc tcccgggggcc tcagtgccag caccatggac 1140
ctctcttcaa gcagctgaca ttcaacccgg ccccccaggtc tgctgggtcc ccccacccccc 1200
acagccctca cagcattccc cattgctcct ggctcttccc caccccctagg tgggacagtg 1260
aaggggagca gtttaaccag aagattgctg ctgcccttag ggtctcagct ccctcctcag 1320
gaatccctct taggaaggac cctcaggaca ccctctctgc accctgtggt cctctagagt 1380
agctagctct gaggccccaa ggtgggtaca aagcaggtat ggccctcaga gatgcagcct 1440
gctgctggct tttcagtcag agggttgggg gctggccagc caagctgcct tgccctggcc 1500
gctcttactc cctccctctg ctgtctcact tcaggtccat gtatttcact tttcttaaat 1560
aaaagaatca ggtaacctta aaaaaaaaa aaaaaaaaa cttggggggg gccccgaacc 1620
caatttgccc canagggngg cg                                         1642
```

<210> 239
<211> 468
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<400> 239

```
gcggacgcgt gggcctggtc tcagtatggc gctgtcctgg gttcttacag tcctgagcct  60
cctacctctg ctggaagcca gatcccattg tgtgccaacc tagtaccggt gcccatcacc 120
aacgccaccc tggaccggat cactggcaag tggttttata tcgcatcggc ctttcgaaac 180
gaggagtaca ataagtcggt tcaggagatc caagcaacct tcttttactt taccccaac 240
aagacagagg acacgatctt tctcagagag taccagaccc gccagaacca gtgcttctat 300
aactccagtt acctgaatgt ccagcgggag aatgggaccg tctccagata cgagggaggc 360
cgagaaacat gttgctcacc tgctgttcct tagggacacc aagaccttga tgtttggtty 420
ctacctggac gatgagaaga actggggggtg tctttctatg ntgacaag              468
```

<210> 240
<211> 1329
<212> DNA
<213> Homo sapiens

```
<400> 240
tacatcttat aaaacctaac tggcatttaa aaaatactgt ggccgggcgt ggtggctcat 60
gcctgtaatc ccagcacttt gggaggccga ggtgggagga ttgcttgagt ccaggaattt 120
gagaccagcc tggacaacac agtgagacct catctctatc aaaaaataaa aattagctag 180
atgtggtggc atgagcctgt gttcccagct gcttaggagg ctgaagcagg aggattgatt 240
gagcctgcga ggccaaggct gcagcaggct gtgattgcac cactgcactt cagcttgggc 300
aacagagcaa gaccctgtct ccgaaacaaa taaaaaatac tgtaataaaa gtacttataa 360
acatactaat cctctttcag gaccctaaag ttgcaggtta gtaggtcttc aaggacaaat 420
ctgtaagttt cttatttctg tagtgcaagt aaaatttcac tttttgaaac tatagagaga 480
tccctttctg attagcctac agaacttaaa gtgagggaac catttcctct cacagacaaa 540
gaggcctggg atattaggac tttggggttt gagagcatca tggggcagac agatggtgga 600
tggtctggac aagaagcgag taagccactg cggttggtca tactgaaggg aattgatggc 660
aagaggatcc cctgagcaag tcagaagtta ctctcatcag tcgttcatgg tcacaacctg 720
aggtactctg ctgagtgggc aaggctgaag aagaggcctg tggaatgcag cattacctgc 780
tggacagagc agggcaggca gttctatgcc ttggagctcc tgactgcagg gactctgtcc 840
ccacactcar aaagactcag ctcactcaat gagagaatgt gatttacttt atagaacgta 900
taatcaactt tgttgaataa tttgttctat taaggctgtc taaagtatgt gatgtcttca 960
tcatagtatg aagtgttgaa aattaataac gagcctagtt taggaaaaag ctgcttaaaa 1020
ctgtggctct aagagagtaa tcataaaata ccttagataa aattgcacta tggaattttc 1080
attgagtatg tttaaattat tggcttgtct actaatacac atctgcttca aaatgaacat 1140
atttcataaa attggcatca attttaatga cgctcctggt atggaacctc agatataccc 1200
tattggagac aatcctttga tcataaattc tccccaacta taaatcattt tatgtcttta 1260
tcawaaaaaa aaaaaggaat cgatatcaa gcttatcgat accgtcgacc tcgagggggg 1320
gcccgtacc 1329
```

```
<210> 241
<211> 1652
<212> DNA
<213> Homo sapiens
```

```
<400> 241
gagcayttcg gcaactggca aaaattaggt gtacagggat ctaggtaata ctgtttattt 60
gagcaataat atattgtgct aacgttcagg catcctatta ctgagaaata agggaaaatg 120
agtgtaaagt acaactaaga gtctcggcta cagggaaaaa taccatcagt taaatatcca 180
tagtcctaga gcatttatgt aaaactgcaa tttgaatcct gcaatacatt ttggcttttt 240
cctcagtgat accatgtgtg ggaagttgtt ctgtcaaggt gggtcggata atttgccctg 300
gaaaggacgg atagtgactt tcctgacatg taraacattt gatcctgaag acacaagtca 360
agaaatargc atggtggcca atggaactaa gtgtggcgat aacaaggttt gcatkaatgc 420
agaatgtgtg gatattgaga aagcctacaa atcaaccaat tgctcatcta agtgcaaagg 480
acatgctgtg tgtgaccatg agctccagtg tcaatgtgag gaaggatgga tccctcccga 540
ctgcgatgay tcctcagtgg tcttccactt ctccattgtg gttggggtgc tgttcccaat 600
ggcggtcatt tttgtggtgg ttgctatggt aatccggcac cagagctcca gagaaaagca 660
gaagaaagat cagaggccay tatctaccac tggcaccagg ccacacaaac agaagaggaa 720
accccagatg gtaaaggctg ttcaacccca agagatgagt cagatgaagc cccatgtgta 780
tgatctgcca gtagaaggca atgagccccc agcctctttt cataaagaca caaacgcact 840
tccccctact gttttcaagg ataatccaat gtctacacct aaggactcaa atccaaaagc 900
atgaagcaac agctaagcaa gaactaatgg ctaaattatc aacttggaaa actggaaaat 960
ctggatggca gagaaatata ctatctcacc agtatttgct ctcgactcaa gaaggttaac 1020
attttctgat tcatgttaga ctttgaagag actaaagaaa attttcaaga ggaacatatg 1080
cctgagaacc tttgcatgaa tttaaaattt caattatcca ttcttataag aaggaagatg 1140
attgtaaaga aatatctccg aagttaaaat ctgtaatagg aattgattca ttctctaatg 1200
```

```
aaaacaaaac ataaaaacat cacactaatc ttggaggaat aagaaaaatt gtacatccat 1260
taaatgtaca attgattgca acatcttgat tgttttaacc attaacttgt caaattacaa 1320
tcacagttaa gaaaatgatg taaaattctg ttttgtggat ctctttccta gattagcttc 1380
tgaaatcatt attagctata tcatttgagg ttttctacaa tttggtataa ctaagaattt 1440
aaaaatgttt tatcatatat atttgtataa ttaattactg gcatggttaa agtggttttc 1500
actttttaaa tggagaaaat ttcagttaaa ttaataggat aaaccaggtt gcgaactggt 1560
gacctgtagg ccatgtttgc actgcaaata tatttggtct gaatgatatt gaaaaaaaaa 1620
aaaaaaaaaa ctcgaggggg ggcccgtacc ca                             1652
```

<210> 242
<211> 1946
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (538)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1932)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1941)
<223> n equals a,t,g, or c

<400> 242
```
ggcacgagta caaggtggcg gcgctgggmc tggccaccgg cwtcgtcttg gtgctgctgc 60
tgctctgcct ctaccgcgtg ctangcccgc gcaactacgg gcagctgggt ggtgggcccg 120
ggcggcggag gcgcggggag ctgccctgcg acgactacgg ctatgcgcca cccgagacgg 180
agatcgtgcc gcttgtgctg cgcggccacc tcatggacat cgagtgcctg gccagcgacg 240
gcatgctgct ggtgagctgc tgcctggcag gccacatctg cgtgtgggac gcgcagaccg 300
gggattgcct aacgcgcatt ccgcgcccag gcaggcagcg ccgggacagt ggcgtgggca 360
gcgggcttga ggctcaggag agctgggaac gactttcaga tggtgggaag gctggtccag 420
aggagcctgg ggacagccct cccctgagac accgcccccg gggccctccg ccgccttccc 480
tcttcgggga ccagcctgac ctcacctgct taattgacac caacttttca gcgcagcntc 540
ggtcctcaca gcccactcag cccgagcccc ggcaccgggc ggtctgtggc cgctctcggg 600
actccccagg ctatgacttc agctgcctgg tgcagcgggt gtaccaggag gagggctgg 660
cggccgtctg cacaccagcc ctgcgcccac cctcgcctgg gccggtgctg tcccaggccc 720
ctgaggacga gggtggctcc cccgagaaag gctccccttc cctcgcctgg gcccccagtg 780
ccgagggttc catctggagc ttggagctgc agggcaacct catcgtggtg gggcggagca 840
gcggccggct ggaggtgtgg gacgccattg aaggggtgct gtgctgcagc agcgaggagg 900
tctcctcagg cattaccgct ctggtgttct tggacaaaag gattgtggct gcacggctca 960
```

```
acggttccct tgatttcttc tccttggaga cccacactgc cctcagcccc ctgcagttta 1020
gagggacccc agggcggggc agttcccctg cctctccagt gtacagcagc agcgacacag 1080
tggcctgtca cctgacccac acagtgccct gtgcacacca aaaacccatc acagccctga 1140
aagccgctgc tgggcgcttg gtgactggga gccaagacca cacactgaga gtgttccgtc 1200
tggaggactc gtgctgcctc ttcacccttc agggccactc aggggccatc acgaccgtgt 1260
acattgacca gaccatggtg ctggccagtg gaggacaaga tggggccatc tgcctgtggg 1320
atgtactgac tggcagccgg gtcagccatg tgtttgctca ccgtggggat gtcacctccc 1380
ttacctgtac cacctcctgt gtcatcagca gtggcctgga tgacctcatc agcatctggg 1440
accgcagcac aggcatcaag ttctactcca ttcagcagga cctgggctgt ggtgcaagct 1500
tgggtgtcat ctcagacaac ctgctggtga ctggcggcca gggctgtgtc tccttttggg 1560
acctaaacta cggggacctg ttacagacag tctacctggg gaagaacagt gaggcccagc 1620
ctgcccgcca gatcctggtg ctggacaacg ctgccattgt ctgcaacttt ggcagtgagc 1680
tcagcctggt gtatgtgccc tctgtgctgg agaagctgga ctgagcgcag ggcctccttg 1740
cccaggcagg aggctggggt gctgtgtggg ggccaatgca ctgaacctgg acttggggga 1800
aagagccgag tatcttccag ccgctgcctc ctgactgtaa taatattaaa cttttttaaa 1860
aaaccataaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1920
aaaaaaaaaa anaaaaaaaa nggggg                                      1946
```

<210> 243
<211> 518
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (507)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (513)

```
<223> n equals a,t,g, or c

<400> 243
ggacgcgtgg gcagctgcag aaatccaaaa atattgacct tataagctca agatgctgta 60
tgctgggttt ttacaaggat attcggtatt tgatgaaacc cagttaggca tgacatattc 120
cccttctccc cattcctacc tctcttttat taaaaatttt atagttacag tgtctatgtt 180
gcccagcctg gtcttgaacc ctttggctca agtgatccac ctgccttggc ctcccaaagt 240
gctgggatta cagatgggag ccatcgtgtc tggcccattc ctgcctctta aagccctnca 300
cccaacaggc agacttgaga ctcaaaccgt ggtcccagct cttgcatcag gggtagtttg 360
ggaattcaaa atctttcaaa ctggggtaaa aaccaggccc agaattcaga gttcaaccaa 420
caagctttcc aagaatgccg gcccaaagga aaaaagtggg ttcttggaaa anccgggggaa 480
aaggggggtg caanccttth gggagtnaca agngcttg 518
```

```
<210> 244
<211> 621
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (569)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (593)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (609)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (612)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (621)
<223> n equals a,t,g, or c
```

```
<400> 244
gggaaggtcc atgggttgat acctcaggtc aaaaatgtgt ttactctgtt gattgctgtt 60
tcactttact tgtatatcag atatataagc tatgaacaca agtttgtagt aaaagtatct 120
```

```
tctgtctggg caatggctca cacctgtaat tccaacactt tggggggctc aggtgggagg 180
atttctagtc cccaggagtt tgagaccagc ctgggcaata aactagaccc catgtctcta 240
aaaaatgtaa aaaacatcaa gaggctgagt caggaggatc atttgagctt aggagttcaa 300
ggctgcagta agttatgatt gtgccactgc attccagcct gggtgacaag agtgagaccc 360
tgacccaaaa aaagtatctt ctgataaagt ggcatttgaa aattgcagaa aattttaata 420
ttttttcttt taatattaag aactttattg atctctctan gacaccttgg tgaggaaatt 480
aatggcactt ttcttgacat tcaacctggg actttgggtg attctgggtt ctggtgaatt 540
taaagtttca acatttcttt ggggcaccnt ttacaagggg tttggccctt ggnaccttat 600
gaccggtcna anggtccaaa n                                           621
```

<210> 245
<211> 480
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<400> 245

```
ggcacgaggt gaaaccctgt ctctactaaa aatacaaaaa ttagctgggt gtggtggtgg 60
gcgcctgtag tcccagctac tcgggaggct gaggcgggag tatgacttga acctgggagg 120
cggaggttgc agtgagctga gattgtgcca ctgcactcca gcctgggtga cagagcaaga 180
ctccgtttca gaaaaaaaaa aaaactgtgt ctcatcattg cactgttctt ttaaaattgt 240
atatatatat ttttcttgca gatacactct ggaaatgatt aaactagtac cacataatga 300
aagtgcatgg aactatttga aagggatttt gcaggatcgn ggtctttcca aatatcccaa 360
tctgtnaaat caattacctt gatttacaac caagtcaaag ttccccctac ctaattgcct 420
ttcttgggga naccatgaag acatgcnaga aaaccagngn gacaataang gagacatcct 480
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<210> 246
<211> 451
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
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<222> (107)
<223> n equals a,t,g, or c

<220>
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<222> (110)
<223> n equals a,t,g, or c

<220>
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<222> (135)
<223> n equals a,t,g, or c

<220>
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<222> (198)
<223> n equals a,t,g, or c

<220>
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<222> (287)
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<220>
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<220>
<221> misc feature

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<222> (314)
<223> n equals a,t,g, or c

<220>
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<222> (319)
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<220>
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<222> (324)
<223> n equals a,t,g, or c

<220>
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<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<400> 246
aggcgacccа ccaccatgcc ccggctaaat ttagttgtat ttttagtaga gatggggttt 60
caccgtatta gccaggatgg tctcgatctc ctgacctcgt gntccgngcn cctcggcctc 120
ccaaagtgct ggganttaca ggcgtgagcc accgtgcccg gcctgattct cttaaaattg 180
aagaggtgct gccaaggnct tcagatctaa cgcagatgca tagaccttgt tcatggtact 240
tgttcagcct gtgctgggga gccgtggttc cgagtttcct gggaggntga cagggtgaag 300
ccaccgtanc cacnacccnc cganttcncn tncgctttct tntcagcant aggattaaag 360
ggattttgaa tgaagcaant tttaaggggt aggaggtgtt ggggaaaata aataattatt 420
caagtaaggc cttngggnnt ttagggggtt n   451

<210> 247
<211> 530
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<400> 247
aggaaannag tanctgacag taacggtcng aattcccggn tcgacccacg cgtccgctgg 60
aacttctcct ggtctctcag ctggggccac tgtcggcatc atgattggag tgctggttgg 120
ggttgctctg atatagcagc cctggtgtag tttcttcatt tcaggaagac tgacagttgt 180
tttgcttctt ccttaaagca tttgcaacag ctacagtcta aaattgcttc tttaccaagg 240
atatttacag aaaagactct gaccagagat cgagaccatc ctagccaaca tcgtgaaacc 300
ccatctctac taaaaataca aaaatgagct gggcttggtg gcgcacacct gtagtcccag 360
ttactcgggg aagctgaggc aggagaatcg cttgaacccg ggantggaga ttgcagtgag 420
cccagatcgc accactgcac tccagtctgg ccaacagagc aagactccat ctcaaaaaag 480
aaaagaaaag gagactctga cctggtactc ttgaatacaa gtttctgata             530
```

```
<210> 248
<211> 635
<212> DNA
<213> Homo sapiens
```

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<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (484)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (513)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (516)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (560)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (568)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (576)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (603)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (635)
<223> n equals a,t,g, or c

<400> 248
ggtggcaggt gcttataatc ccagctactc tgggggccaa ggcaggagaa ttgcttgagc 60
ctgggagatg gaggttgcag tgagctgaga tcatgccact gcactccagc ctgggcaaca 120
gagcaagact ctgcctcaaa aaaaaattaa aataaattta aatacaaaaa aaaatagcca 180
ggtgtggggt gcatgcctgg aatcccagct acttganaag gctnaaggca ccaanaattg 240
cttgaaccca ggaggtggag gttgcagtga gccaagatca caggagccac tgcactccag 300
cctgggtgac agagtgagac tctgtctcaa aaaaaaaatt aaataaatta ttataacctt 360
tcaaaaatgc tgtgtgcatt ttcatgttct tttttttaac attactgnca ctctccctaa 420
tgaaatggac ttcaaanaag cagtattttg ttaaataaat acataacctc attctgaata 480
atgnccctca ttttgactat aactgggctt ggnttnaaaa gcaaaattta acaaaaattt 540
aatccccttc caaaggaacn ttgggtancc tgggtnaaaa aatgccaaat ggggtacttt 600
tanttaaaat ttggaattta acatcttttt tggan   635

<210> 249
<211> 360

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<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<400> 249
ctcaggaaac catgtccaaa accctagcag cggtacagca tgctgtctcc aacccttatc 60
cccaggttta agggtggttt atggccatac gtggaggttt tttgttgttg tttttganac 120
tgagtttcac tcttgttgcc caggctggag tgcaatggca ccatctcggc tcactgcaac 180
ctccacctcc tggttcaagc gatctcaggc ctcagcttcc caagtagttg ggattacagg 240
cgcctgccac cacacctggc taattttgta tttttagtan anatggggtt ctccatgttg 300
gtcangctgg tctcaaactc ccgaactcaa gtgatctgcc cgccttgggc tcccaaaatn 360

<210> 250
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<400> 250
gctgtgagga aggggaatcg cttgaacccg ggaggcggag gttgcggtga gccgagatag 60
cgccattgca ctccagcctg ggcaacaaga gcgaaaccct gtctcaaaaa aaaaacaaaa 120
aaccccacaa aaactaggag cctggaaggc cggactgggt ctccgtggga ggggcctggg 180
tctggagagc agggcagggt ctcctgggcc taggggatgg ggatggggct gggtctcaga 240
ggaggcaggg tttacgtgca gaagagcgga cttggtctcc ggggtcccga gtgggtgacg 300
cggcccgcca caggtgcttc ctgaaggtga gccggctgga ggcacaactg ctcctggagc 360
gctacccga gtgcgggaac ctgctgctgc ggcccancgg ggacggcgcc gacggcgtgt 420
cggtcaccac tcggcngatg ccaacnggaa cgcacgtgnn ccgg 464

<210> 251
<211> 315
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>

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<221> misc feature
<222> (113)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c


<400> 251
aaagtaaaca tcggggaagg tttncggnaa cgctccnagg taccggtccg gaattcccgg 60
gtcgacccac gcgtttngct ccttgttcag gctggtctgg aactggcgac ttngggtgat 120
ccgcccgcct cggcctccca aagtggtggg attacaggtg tgagccaccg tgcccagccc 180
tgaaatagtc ttaattgctt gnttttcttn tttgtctgan gtgtgctttt taaaatctct 240
atggagatgg agaagactga cattntctgg cctgatgtga aaaacctctc attaaaaacc 300
gngtntgtag ntttg                                                 315


<210> 252
<211> 333
<212> DNA
<213> Homo sapiens
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<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c
```

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<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<400> 252
gggctaattt gtgtattttt agtggaaacg gggttttgcc acgttggcca ngctggtctc 60
gaactcctga cctcaggtna tccacccacc ccagcctccc aaagtgctgg gattacaggc 120
gtgagccact gagcccagcc nacttttcag tttttaacat aatttttgtt ttatccacaa 180
ctttttcaagt attganagtn caataaaaaa catgggttct tagtctgtaa ctntctgtta 240
aagcctatga atnncttctg aaaatcatgt ttttaaatgc ataaaatata tacgattacg 300
anngaatctt attattgtcg aaatncagtt att                                333

<210> 253
<211> 307
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
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```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<400> 253
gaaaaanttt taaaggaaga agggaaggca ggctggggag gntggggnaa ggaagcaggg 60
agtgcagatc actcccttc catgagttgt tttcttaaga tgctagaact tggccaggca 120
tggtggctca cccctgtaat cccagcactt tgggaggctg aggctggcag atcacttgag 180
gtcaggagtt ccagaccagc ctggccaaca tggtgaaacc ccatctctac taataataca 240
aaatttagcn gggtgtgggn ggtgtgcacc tgtggcccta nctacttggg aaggctgana 300
cnaggag                                                            307

<210> 254
<211> 401
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<400> 254
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```
gtataaatgt tacttaaaaa aaatatattt ggccgagcac agtggctcac gcctgtaatc 60
cccacacttt gggaggccga ggcgggcaga ttgcctgagg tcaggaattt gagatcagcc 120
tggccaacat gatgaaaccc cgtctctact aaaaatacaa aaattagccg ggcatggtgg 180
caggcacctg taatcccggc tactcgggag gctgaggcag gaaaatcgct tgaacccggg 240
agtcggaagt tgcagngagc caaggtcatg tcatcattgc actccagctt gggcaacaag 300
agtgaagact tcgtctcaaa aaaaaaactt acagactttn ttttcctttn gtaaattgnt 360
agtttaactt tgaattcnng atgaaggatt tattcttatc t                    401
```

<210> 255
<211> 406
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<400> 255
```
gcttatcatt tgtattaaaa tatggtttaa tgtaaagagt tgcctttctc cattccccc 60
tcccctcccc tccctcctc tccctcctc tcttaccccc aattaaaaaa tagcacatcc 120
```

```
ctaatgtggg aaacagtaag aaagcatana ttacatttta ggcagggcac agtggctcac 180
gcctgtaatc ccagcacttt cggaggctga ggtgggtgga tcacttgagg tcaggagttt 240
ganaccagcc tggccaacat ggtgaaaccc tgtctctact aaaagtacaa aaattagcca 300
ggcatggagg cgggtgcctg taatcccagc tacttgggag gctgaggcag gagaattgct 360
tgagcccann aggcanaggt tgcagtgagn anagatcggg ccattg              406
```

<210> 256
<211> 415
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<400> 256
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gacatgaatt ccttaatgat gggagangat aaaatcaagt tcaaacacat cacccccctg 60
caggagcaga gcaaagaggt ggccatccgc atctttcagg gctgccagtt tcgctccgtg 120
gaggctgtgc aggagatcac agagtatgcc aaaagcattc ctggttttgt aaatcttgac 180
ttgaacgacc aagtaactct cctcaaatat ggagtccacg agatcattta cacaatgctg 240
gcctccttga tgaataaaga tggggttctc atatccgagg ggccaagctt catgacaagg 300
gagtttctaa agagcctgcg aaanctttg gtgactttat gggagcccag tttgagtttg 360
ccgtgaaatt ccatggcnng ggattatatg gacagcggct tgggcaaatt nnagc      415
```

<210> 257

```
<211> 414
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<400> 257
cgcagaggaa accccgcacc cctggcagaa gttccggacc aagccccagg gggaccagga 60
caccggcaag gaggctgatg acggatgtgc ccttgggggc angtgatggg agcacagctg 120
gaacaatgtg ctcggccccc agtgctctgt gggagcccca ggacaagtga gctggtgtca 180
cctcctgcct gggggaagag ccaggccctg aagaacagcc gcagcgtgtc acaggtgttg 240
gtgaggacac acactaggcc caaggtgcct gtgctcccag caggttccaa gtgcaanttc 300
aagccaactt tgcgtgttaa cttcaacggg gacttccaag cttccaagct aacttttgtg 360
gtgttaacct tcaanaaaan caanaaaggg gggcttnggg gcattttggt ncct       414

<210> 258
<211> 373
<212> DNA
```

<213> Homo sapiens

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<400> 258
ctccgagtca gggcccaggt gcagctctcc ggtggacaca gaatgcagcc atgctgaggg 60
cagccggagc caaggccctg agaaagcctt cagcccggct tctccatgtg cctggaacgt 120
gtgtgtcacc aggaaggccc ccctgctggc ctctgacagt agctcctctg ggggctccca 180
cagcgaggat ggcgaccaga aggcagcgag tgccatggat gcggtgagca ggggtcccgg 240
ccgggaggcc ccccgctgcc cacagtggcc aagacagaag aagcttttgg caaggttcgg 300
ttttctgaca accggctttt naancctncc ttgcccccgc gccaaaagga nttaatttct 360
ngcccaagcg ttg   373

<210> 259
<211> 529
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c


<400> 259
aaactaacag atgaagaagt agatgaaatg atcagagaag cagatattga tggagacgga 60
caagtcaact atgaagaatt cgtacagaat gatgactgca aaatgaagac ctactttcaa 120
ctcctttttc cccctctta gaaagaatca aatttgaatc ttttacttac ctccttgcaa 180
aaaaaagaaa aagaaaaaa ttccatttat tcatccttgt ttcctatata gccaaactga 240
atgttcaaaa gtaccttcct tgtcccacac acacaaatct gcatgtntgg ttggggggt 300
ccctgtcccc ctaaagatca agctacactt cccatttta caatataata cttgttctac 360
cttatgatag atccctnaaa agtttcccct ttgctaatga ttatacctgt ttgggtggcc 420
agttttccct gcttgcantt gannaatgac ccagccggcc tttgttttaa attgaaatga 480
aaacaattcc aaccntccat ggttcccgtc cattgttaat taatggcca            529


<210> 260
<211> 566
<212> DNA
<213> Homo sapiens


<220>
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<222> (361)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c


<220>
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<222> (437)
<223> n equals a,t,g, or c
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<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (509)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (562)
<223> n equals a,t,g, or c

<400> 260
actgtctgta tattacggaa gctcttttca cataatatga ctcgtctgcg aaagtttatg 60
gtttactttg gaaagaacca aagtttgcag aagatacaga aaactcctct ctttgtggcg 120
gcgatctgtg ctcattggtt tcagtatcct tttgacccat cctttgatga tgtggctgtt 180
ttcaagtcct atatggaacg cctttcctta aggaacaaag cgacactgaa aattctcaaa 240
gcaactgtgt cctcctgtgg tgagctggcc ttgaaagggt tttttcatg ttgctttgag 300
tttaatggat ggatggatct cgcagaagca gggggtggat ggaagatgaa gatctaacca 360
ngtgcttgga tgagcaaatt ttacagccca gagactaaga ccattctacc ggnttttaa 420
gttccggcct tccaagnaat tcttggcggg ggatgaggcn ggattgaact ccngggatcc 480
agataggcag gaacatcaag attggggang gtaaccattg gaacaaacca ctcacccagg 540
tgacggtaag cgcctacaac antttt                                     566

<210> 261
<211> 502
<212> DNA
<213> Homo sapiens

<220>
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<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
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<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
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<222> (126)
<223> n equals a,t,g, or c

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<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c
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<222> (157)
<223> n equals a,t,g, or c

<220>
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<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
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<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
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<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
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<222> (231)
<223> n equals a,t,g, or c

<220>
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<222> (235)
<223> n equals a,t,g, or c

<220>
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<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
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<222> (315)
<223> n equals a,t,g, or c

<220>
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<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
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<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (376)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (484)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c


<400> 261
ggttaaaagt ggantgtatg ttgtnataga agttaaagtt gcanctnatt atggaataga 60
nataacctgt cnaanttatc tgatgacana ttaccaangt gctcccccat ccccacagta 120
tagaangatt atttgcatgg gtgcanaana naatggnttg ccgctggant atcaanagan 180
gttaanagcn ttanaaccaa atgactatac ntgaaaggtc tcanaagaaa ntgangacat 240
catcannaag ggggaaacac anactcttta gancataaca gaatatatct aagggtattc 300
tatgtgctaa tatanaatat tattaacact tganaacang gatctggggg atctccacgt 360
tngatccatt ttcannagtg ctctgagagg agtatcttac ttggggtgac tccttgtttt 420
tagactatac tcagaaactg ggatanggag ttanaccatt taaaacgggt gtatganggc 480
ctgnaatatg tgacaantga at                                          502


<210> 262
<211> 489
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c


<220>
<221> misc feature
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<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<400> 262
gnngacgcgt gggtccggga tgaggagtgg ggtggccact cccccggag tcccagggga 60
tgggaccagg agcccgccag ggagcaggca ggcggggggct ggcgggccag gcggccccgg 120
gcccgctccg tggacgccct ggacgacctc accccgccga gcaccgccga gtcagggagc 180
aggtctccca cgagtaatgg tgggaggaga agccgggcct acatgccccc gcggagccgc 240
agccgggacg acctctatga ccaagacgac tcgagggact tcccacgctc ccgggacccc 300
cactacgacg acttcaggtc tcgggagcgc cctcctgccg accccaggtc ccaccaccac 360
cgtacccggg accctcggga caacggntcc aggtccgggg acctcccctta tgatgggcgg 420
ctactggagg aggctgtgan gaagaagggg tcggacgaga ggangagacc ccacaangag 480
gangangaa                                                       489

<210> 263
<211> 93
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
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<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<400> 263
gcggctgccc gcctcgcgcg tnttccctgc ccgggtctcc tcgctgtcgc ngccgatgcc 60
acaccatggc cttcnncacc aggcagttca tgn                                93

<210> 264
<211> 389
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c


<400> 264
ggcagagtnt gctcttggga agtncaggct cggttgtctt ttggnagcca tggagagtga 60
ctttaatctg cnttactacg tggggcacaa gggcaagtcc ggccangagt tcctggagtt 120
tgaagtttcg accggacgga gcttgaaatc gtcattggag atgaacacat ttctttttnac 180
aacatcaaaa attggttccc ttattgatgt caatcatgcc aaggatccag aaggcttacg 240
```

```
nagtatttna ttatcttgtc caggacctga agtgtttggt cttcagtctt attgggttac 300
acttcaagnt taaaccatct agactgnata ttngtgtggg acanggggt gggtgggngt 360
aggaaatttt gtgtattttc aggggcatt                                   389
```

<210> 265
<211> 400
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<400> 265
```
tttgcccacg cgtccgccca cgcgtccgcc cacgcgtccg cccacgcgtc cgcacccca 60
tcccagtccc agcctacttc cgccacgcag aacctggatt ctccctcaag aggcccaggg 120
ggctcagccg gagcctccca cctccgcccc ctgccaaggg cagcattccc atcagccgcc 180
tcttccctcc tcggaccca ggctggcacc agctgcagcc ccgcgggtgt cattccgggc 240
gaaggcctag agactctgca gagccctggg tatgacccaa gccgcaaaag tctttnttca 300
agcaaagntt caaaaggtta agccgcttgg gcaatggttt annggaaagg ttttaagggg 360
gcctccaagg gaggacggcc ggttttttnn ggaaaagggt                       400
```

<210> 266
<211> 382
<212> DNA

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<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c


<400> 266
ggacctggan cggaggcggg aagaaagtca tacccagatc cnanatccnc acgcagaatg 60
cacaggtgag ctgccgctgg gcccgganca tgctgggcgt tcncacctng cagactgcac 120
gctccaaccg cccgctccac ctactctttc caggcccggc ancttntgga gaaggaattc 180
agcannctta tctccttagg cacagacagg ctgctggacn aggacatgcg ccaagtcttt 240
```

```
cagttcgntc cccatcctgg cggaagatgt tccgggganga aggacctccg aggcgtaact 300
ngccgactca ctgagatgtt gccccncaac tttcgttcgg ntgcagcggn attcctgggc 360
tnttccggggg ctccctttttc cc                                          382
```

<210> 267
<211> 449
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<400> 267
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gggcgatggc tgaaggacca ggagctgagc cctcgggagc cggtgctgcc cccacagaag 60
atggggccta tggagaaatt ctggaataaa tttttggaga ataaatcccc ttggaggaaa 120
atggtccatg gggtatacaa aaagagtatc tttgttttca ctcatgtact tgtacctgtc 180
tggattattc attattacat gaagtatcat gtttctgaaa aaccatatgg catagttgaa 240
aagaagtcca gaatattccc tggtgataca attctggaga ctggagaagt aattccacca 300
atgaaagaat ttcctgatca acatcattaa agattatgta aaaaggtaaa aggcttatga 360
gcctaagttt ggtnctatat taccatattt actggaattt tcttggaaaa gtactttaat 420
aaagtttaat ctnagaaaaa aaaaannna                                     449
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<210> 268
<211> 594
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

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<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<400> 268
ngcaagcnga caccaaccct cactaaaggg aacaaaagct ggagctccac cgcggtgcgg 60
ccgctctaga actagtggat cccccgggct gcaggaattc ggcacgaggt cagtgtcggg 120
cgcagacggc ggcagtgcgg cttgctcttg gaagttcagg ctcggttgtc ttttgggagc 180
catggagagt gacttttatc tgcgttacta cgtggggcac aagggcaagt tcggccacga 240
gttcctggag tttgagtttc gaccggacgg gaagttaaga tatgccaaca acagcaatta 300
caagaatgat gtcatgatca gaaaagaggc ttatgtacat aaaagcgtga tggaggaact 360
gaagagaata attgacgaca gtgaaattac caaagaggat gatgcattgt ggcctcctcc 420
tgaccgagtg ggccggcagg agcttgaaat cgtcattgga gatgaacaca tttcttttac 480
aacatcaaaa attggttccc ttattgatgt caatcaatcc aaggatccag aaggcttacg 540
agtattttat tatcttgtcc aggacctgaa gtgtttggtc ttcagtctta ttgg       594

<210> 269
<211> 332
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<400> 269
gcgggatttg ggtcgcagnt cttgtttgtg gattgctgtg atcgtcactt gacaatgcag 60
atcttcgtga agactctgac tggtaagacc atcaccctcg aggttgagcc cagtgacacc 120
atcgagaatg tcaaggcaaa gatccaagat aaggaaggca tccctcctga ccagcagagg 180
ctgatctttg ctggaaaaca gctggaagat gggcgcaccc tgtctgacta caacatccan 240
aaagagtcca ccctgcacct ggtgctccgt ctcanaggtg ggatgcaaat cttcgngaag 300
accctgactg gcaagaccat naccccttgag gn 332

<210> 270
<211> 515
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<400> 270
gcnnganacn aaccctcact aaagggaaca aaagctggag ctccaccgcg gtgcggccgc 60
tctagaacta gtggatcccc cgggctgcag gaattcggca cgagggatgt tgatgtcctg 120
catctaacgc ggtgtaaccc ccgaagccga gcgagctccg gaggaatttc agtatctgct 180
acggtaactt catcagcccg ccaagatggc gatgcaagcg gccaagaggg cgaacattcg 240
acttccacct gaagtaaatc ggatattgta tataagaaat ttgccataca aaatcacagc 300
tgaagaaatg tatgatatat ttgggaaata tggacctatt cgtcaaatca gagtggggaa 360
cacacctgaa actagaggaa cagcttatgt ggtctatgag gacatctttg atgccaagaa 420
tgcatgtgat cacctatcgg gattcaatgt ttgtaacaga taccttgtgg ttttgtacta 480
taatgccaac agggcatttc agaagatgga cacaa 515

<210> 271
<211> 141
<212> DNA

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<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<400> 271
cactccatgg gnnnctctgt gtggnatttg gggcccctnc atacttcatt tattatatta 60
tcaaaactga gagggatagg aaagtaaaaa cttatccagg taggaaaatt ggatcgaaca 120
tttcacctct catattaagg n                                           141

<210> 272
<211> 433
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or. c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<400> 272
gagcggcggc ggaccgcagc gaagtggcga gntagtggca aacgttgant tntgaagggg 60
ggcccaagat gaccggttct aacgaagttc aagntgaacc agccacccgg aggatagcat 120
ctcctccgta aagttcagnc ccaacacctc ccagttcctg cttgtntcct cctgggncac 180
gtccgtncga ctctacgnat gtgccggcca actccatgcg gctcaagtac cagcacaccg 240
gagncgtnct ggactgcgnc ttctacggtc caangnatgc ctggagtnga ggactagatc 300
atcagttgaa aatgcatgat ttgacactga tcaagaaaat ttcttggacc catgntgccc 360
tatnagatgt gttgaatact gtcagaagtg aattanaatg gnactggaag ttggggttag 420
ccagttnacc tgt 433

<210> 273

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<211> 432
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<400> 273
ggttcatctc cgtctcagaa aagagcaagg atcgcggcag caacacgatc ggcgcccgcc 60
tgaaccgagt agaagacaag gtgacgcagc tggaccagag gctggcactc atcaccgaca 120
tgcttcacca gctgctctcc ttgcacggtg gcagcacccc tgagcccact gtgcgtgggg 180
ctcccgnctn caacccctcg cccagtccca gcagccagcc aaacacacag aaggggactg 240
ccaccttccc ttgccagctg ctgagccgca gagaagtgac ggttcctaca caggacaggg 300
gttccttctg ggcattacat cgcatagaaa tnaataattt gtggtgattt ggatctgggt 360
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tttaatgaat ntnacagtgn gactttgatt attaattgag caagcttttc ctaataaacg 420
tggagaattn cn   432

<210> 274
<211> 276
<212> DNA
<213> Homo sapiens

<220>
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<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<400> 274
gatcgcttct ctgggtccaa gtctgccagc acggcctccc tgaccatctc tgggctccag 60
gctgaggacg aggctgatta ttactgcagc tcatntacaa gtagtatctc ttatgtcttc 120
ggaactggga ccaaggtcac cgtcctagtc cagcccaagg ccaaccccac tgttcactcc 180
tgtttccccc cctcctcctt aagaacttcc aagcccaaca aaggcaacta tgtnttttgg 240
aaccattact tctanccggg aaanntttna aaatgc   276

<210> 275
<211> 351
<212> DNA
<213> Homo sapiens

<220>

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<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<400> 275
ccgcagacta gggcgcctcg ggccagggga acgcggaaga gccatggnca ccggctaacg 60
gggccgtgga aaacgggnac cggacangaa gccgccggcc ctgccgcgcc ccatccncaa 120
cctggaagtc gagttcacca agatatttan caanaatgga atgggacgaa tccnagantg 180
ggaaaaagtg tgctacatgt tacccntcaa ctccggganc aaatatgtga agtggaagaa 240
ngagatangg ccgacgtggg acgaaggctg tggaagctgc acagggtngc tnccaaaaag 300
ggntcccca tgggcgcccg gtgggatgnc ctgaattcct tggccggtng c        351

<210> 276
<211> 463
<212> DNA
<213> Homo sapiens

<400> 276
gctgaattct ggctgaccag ggcagtcacc agagctccag acaatgtctg tctccttcct 60
catcttcctg cccgtgctgg gcctcccatg gggtgtcctg tcacaggtgc agctgcagca 120
gtcaggtcca ggactggtga agccctcgca gaccctctca ctcacctgtg ccatctccgg 180
ggacactgtc tctaggaaca gtgctggttg gaactggatc aggcagtccc catcgagagg 240
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ccttgagtgg ctgggaagga catactacag gtccaaatgg tataatgatt atgccgtatc 300
tgtgaaaagt cgaataacca tcaacgcaga ttcaaccaag aatcagttct ctctgcagct 360
gaactctgtg actcccgagg acacggctct gtattactgt gcaagagatc ggggcagctg 420
gtccgatgaa gccgaggggc tcccgccgcg ttacttctac tac              463
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<210> 277
<211> 463
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<400> 277
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ctgtcctcta gagaaaaccc tgtgagcaca gctcctcacc atggactgga cctggaggat 60
cctcttcttg gtggcagcag ctacaagtgc ccactcccag gtgcagctgg tgcagtctgg 120
tgctgaggtg aagaagcctg ggcctcagt gaaggtctcc tgcaaggctt ctggatacac 180
cttcaccagt tatgatatca actgggtgcg acaggccact ggacagggggc ttgagtgggt 240
gggatggatg aaccctaaca gtgctaacac aggctatgca cagaagttcc agggcagagt 300
caccatgacc aggaacacct ccataagcac agcctacatg gagctgagca gcctgagatc 360
tgaggacacg gccgtctatt actgtgcgag anggaggcgg tgggagctgc tcgggatgat 420
gtgggacttt gactactggg gccagggaac cctggtcacc gtc              463
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<210> 278
<211> 343
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<400> 278
ggcagaggga tctcagggct tcttttctg tcctccacca tcatggggtc aaccgccatc 60
ctcgccctcc tcctggctgt tctccaagga gtctgtggcg aggtgcagct ggtacatgct 120
ggaggagaga tgaggaaagc ccggggagtc tctgaagatc tcctgtgaag gntgttggga 180
tacacctttg aacatctact gggatcggct gggtgcgcca gatgcccggg gaaggcctgg 240
gagtgggtgg ggcatcatat gtcctggtga ntctgatggc cagngatagc canncttttc 300
gagggccaga tgcancatgt gcagtcgaca agtgccacca aca   343

<210> 279
<211> 436
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<400> 279
gcaccatggc ttggacccca ctcctcttcc tcaccctcct cctccactgc acagggtctc 60
tctcccagct tgtgctgact caatcgccct ctgcctctgc ctccctggga gcctcggtca 120
ngctcacctg cactctgagc agtgggcaca ncgactacgc catcgcatgg catcagcagc 180
agccagagaa gggccctcgg tacttgctga ngcttaacac tgatggcagc cacaggaagg 240
gggacgggat ccctgatcgc ttctcaggct ccagctctgg ggctgagcgc tacctcacca 300
tctccagcct ccagtctgag gatgangctg actattactg tcagaactgg ggctttggga 360
tngtattcgg cgnaagggac caanctgaac gncctaagtc agnccaaggc tgccccctcg 420
gtcaatctgt tcccgg   436

<210> 280
<211> 315
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<400> 280
ggcacgagct cccccagcct tgctgaagat ccgttccaag gagggcaggt gtgcgcacca 60
tcccgggcta tacagnccat ctgcctgccc tcgatgtata acgatcccca gtttggcaca 120
agctgtgaga tcactggnct ttggaaaaag gaattctagt gaagtgaaca attgcgaact 180
gaacttagga aggtcctgga ggagtgtttt gacctggaaa atgnagccca gtgtggttca 240
agggtnagac tgcagagttt agaggtgggg agcactgagn cggtggcaga ttgggtccca 300
gggttggntt gaagn                                                  315

<210> 281
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<400> 281
ggcaggttgg agccgctgcc gtcgccatga cccgcggtaa ccagcgtgag ctcgcccgcc 60
agaagaatat gaaaaagcag agcgactcgg ttaagggaaa gcgccgagat gacgggcttt 120
ctgctgccgc ccgcaagcag agggactcgg agatcatgca gcagaagcag aaaaaggcaa 180
acgagaagaa ggaggaaccc aagtagcttt gtggcttcgt gtccaaccct cttgcccttc 240
gcctgtgtgc ctggagccag tcccaccacg ctcgcgtttc ctcctgtagt gctcacaggt 300
cccancaccg atggcattcc ctttgccctg agtctgcanc gggtcccttt tgtgcttnct 360
tcccctcaag tacctntttc cccctgggcc acttccgggg gtnagggggg n          411

<210> 282
<211> 570
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<400> 282
gcaagnngaa antaaccctc actaaaggga acaaaagctg gagctccacc gcggtgcggc 60
cgctctagaa ctagtggatc ccccgggctg caggaattcg gcacgagtag agacagcgcc 120
ggggcaagtg agagccggac gggcactggg cgactctgtg cctcgctgag gaaaaataac 180
taaacatggg caaaggagat cctaagaagc cgagagnaaa atgtcatcat atgcattttt 240
tgtgcaaact tgtcgggagg agcataagaa gaagcaccca gatgcttcag tcaacttctc 300
agagttttct aagaagtgct cagagaggtg gaagaccatg tctgctaaag agaaaggaaa 360
atttgaagat atggcaaaag cggacaaggc ccgttatgaa agagaaatga aaacctatat 420
ccctcccaaa ggggagacaa aaaagaagtt caaggatccc aatgcaccca gaggcctcc 480
ttcggccttc ttcctcttct gctctgagta tcgcccaaaa atcaaaggag aacatcctgg 540
```

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gctgtccatt ggtgatgttg cgaagaaact                                    570
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<210> 283
<211> 366
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<400> 283
gntnatgtgn aattaagaca aataaaaacg tnaagcggna caaatcacag agagccacaa 60
agcggatttc acacatgcct agcagaccag aactctcggc agttgctaca agggaagaaa 120
ggactatgtg gatcccttgt ggctatgcag atacctacct cacagagttg ttgtagaaga 180
ctggtggttt ggttcaaacc ttgtgattaa agagtttgtc aagcatttta ttcttttgaa 240
taaaagcaac atatctaaaa catttaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300
aaaaaaaaaa aaaaaaaaaa aaagggnggc cgntttnaag gatccaanct tacgaancgt 360
gcatgc   366

<210> 284
<211> 414
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<400> 284
ggaagctgag acaggcattc caaggggact ccatcccggt tttcgacctg ctgatcctgg 60
gggtgggccc cgatggtcac acctgctcac tcttcccaga ccaccccctc ctacaggagc 120
gggagaagat tgtggctccc atcagtgact ccccgaagcc accgccacag cgtgtgaccc 180
tcacgctacc tgtcctgaat gcagcacgaa ctgtcatctt tgtggcaact ggagaaggca 240
aggcagctgt tctgaagcgc attttggagg accaggagga aaacccgctg cccgccgcct 300

```
ggtccagccc cacaccggga aactgtgctg gtcttggacg aggcggccgc cgcttctgac 360
cgtgcccttc gagaaacatt ccactttgna actnngcnca aaggacnccc aaat         414
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<210> 285
<211> 551
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (482)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (528)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (536)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (545)
<223> n equals a,t,g, or c


<400> 285
gtccngcntg agccgcacgg cngnacgctc gtcttcgccc gccatggccg agagcgactg 60
gganacggtg acggtgctgc gcaagaaggg ccctacggac gcccagcaac atccaagcag 120
gctatcttag cggcacaaag actaggagaa gatgtggaga cttccaataa atgggctgcn 180
ggccanaaca aacaacattc tattaccaag aacacggcca agctngaccg gganacagag 240
tgctgcacca tgacaggtga ccctgaagtg ngtcaagtga tccagcaagt cggcananca 300
agggcttaca cataacganc tngnnacgaa aatcatgata agccacagtg atcgcagact 360
atganagngg tacggccata cccaataacc agtgcttggc aaaatcgacn ggaccattgg 420
ctccaagctc cgggaaagac attggaaaac ccatcgagaa gggcctaggc gaaatgaaca 480
cnaagcctcg aaatcatgag ctccagctga tctcttccgc cgttcncntg gccgcnattc 540
cgttntcctc a                                                     551


<210> 286
<211> 615
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c


<400> 286
gcngacacca accctcacta aagggaacaa aagctggagc tccaccgcgg tgcggccgct 60
ctagaactag tggatccccc gggctgcagg aattcggcac gagtattgcc tctgagggag 120
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```
tccaactgta tacctgcatc agtgtcattc ctttgtgtga tttcttaatg ctgtatttgt 180
tcatctcaaa cctagatgta tacagctctg agttataaat ggttataaag ctcctgttac 240
tcatattagt tatttacatc aaaaagcttt tagaaaatgg tacgaggtaa ccaattcttg 300
tcatggtgaa atctgattga gtaaccaagc agttttacta ttctggtgct gcttcataac 360
aaaaatgaaa agctgcatgc atctacagca ggcatggatt gtttatgtcg tatgatatcc 420
tttattaagt aagttcactt atagtatttc tataatttga ttcattgccg taatagagcc 480
atgtaggaaa tgcactgatt gcatgttatt gtggcaagaa tatcctaaat gtcattaaaa 540
tcctccaaca tgatggatct acttatggtc ttgtttgttg acatgacaaa ttaacattct 600
tatagttaca tctgg                                                  615
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<210> 287
<211> 302
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<220>
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<220>
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<220>
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<222> (296)
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<400> 287
gcggaatgtc acacacattg atcaggcact ccaggaagct catcgggtgc tgaaaccagg 60
aggacggttt ctctgtctgg aatttagcca agtgaacaat cccctcatat ccaggcttta 120
tgatctatat agcttccagg tcatccctgt cctgggagag gtcatcgctg gagactggaa 180
gtcctatcag taccttgtag agagtatccg aaggtttccg nctcangaag agttcangga 240
catgatagaa gatgcaggct ttcacaaggt gacttacgaa agtctnacat caggcnttgt 300
gg                                                                302
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<210> 288
<211> 414
<212> DNA
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<213> Homo sapiens

<220>
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<222> (57)
<223> n equals a,t,g, or c

<220>
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<222> (63)
<223> n equals a,t,g, or c

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<222> (83)
<223> n equals a,t,g, or c

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<222> (86)
<223> n equals a,t,g, or c

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<222> (91)
<223> n equals a,t,g, or c

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<222> (95)
<223> n equals a,t,g, or c

<220>
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<222> (96)
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<220>
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<222> (147)
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<222> (153)
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<222> (157)
<223> n equals a,t,g, or c


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<222> (158)
<223> n equals a,t,g, or c


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<220>
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<222> (201)
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<220>
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<220>
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<222> (208)
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<220>
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<222> (212)
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<220>
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<222> (292)
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<220>
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<222> (298)
<223> n equals a,t,g, or c

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<222> (299)
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<220>
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<220>
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<222> (332)
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<220>
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<222> (341)
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<220>
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<222> (348)
<223> n equals a,t,g, or c

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<222> (354)
<223> n equals a,t,g, or c

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<222> (359)
<223> n equals a,t,g, or c

<220>
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<222> (363)
<223> n equals a,t,g, or c

<220>
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<222> (364)
<223> n equals a,t,g, or c

<220>
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<222> (372)
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<220>
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<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c


<400> 288
aattcggcac gagagagaga gagagagaga gagagagaga gagagagaga gtngcgntag 60
ttngtgtgtc ctcggtttct cgnctnctgg ntcgnncccn cccacanctg gggcgntcta 120
tgtcgagtgg cgcccatggc gaagagntct canctcnnat gtggaagnct ctcaccttct 180
tcgtcgcgct ccccgggggtg ncagncanca tnctgnatgt ntacctnaag tcncaccacg 240
gagagcacga ganacccgag ttcatcgtct acccntatct ncgtatcagg ancaagcnnt 300
ttccctgggg agatngtnac catacttttt tncataaccc ntatgtgnat ccanttccnc 360
ttnntacgga gntgtatana gagantttgn ccattaccgg gncaacaggg ccca        414


<210> 289
<211> 184
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c


<220>
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<222> (25)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c


<400> 289
ggacttnant tctntggaat gcatngaatg gcagngacgc attggccctg cccttggcct 60
gcattgatga cgagatggac tgtgagcctc agggccccgc ncctggccca gctctccgat 120
gtggccatgc acagcctggg tntggctttc atctatganc agactgacga catcnnggat 180
gttc                                                         184


<210> 290
<211> 207
<212> DNA
<213> Homo sapiens


<220>
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<222> (9)
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<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c
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<222> (21)
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<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
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<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<400> 290
ggacgtacng tcctnctagt ngaggaatat gtcgagtttc tctanggctg ccccagcaat 60
ggnccacttt tgctaaaata tggtatatct tagatgggaa aatgcancca cctggcaaac 120
ttgctgctat ggnatctata agacttcang gattacatan acctgcgtac catgcnctga 180
ctgactgtgg ggatcatgtn tgttata                                   207
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<210> 291
<211> 492
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<220>
<221> misc feature ·
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<400> 291
gaagagacat tgaacctgga gaagaaattt ctngttatta tggagatggg ttctttggag 60
aaaataatga gttctgcgag tgttacactt gcgaaagacg gggcactggt gcttttaaat 120
ccagagtggg actgcctgcg cctgctcctg ttatcaatag caaatatgga ctcagagaaa 180
cagataaacg tttaaatagg cttaaaaagt taggtgacag cagcaaaaat tcagacagtc 240
aatctgtcag ctctaacact gatgcagata ccactcagga aaaaaacaat gcaacttcta 300
accgaaaatc ttcagttggc gtaaaaaaga atagcaagag cagaacgtta acgaggcaat 360
ctatgtcaag aattccagct tcttccaact ctacctcatc taagcttaac tcatataaat 420
aattccaggg taccaanaga aactgaanaa agtctgcaaa gcctttactt tnanagntaa 480
acattgagaa at                                                    492

<210> 292
<211> 237
<212> DNA
<213> Homo sapiens
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<222> (16)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (79)
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<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c
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<220>
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<222> (186)
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<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c


<400> 292
gggggacatg ccatanccnt ccttgggggc ctatggaacc tncaaagcgg ccgtggcgct  60
tactnatgga cacattcanc tgtaaactcc ttccctgggg ggtcaaggtn naccatcatc 120
cancctggnt gcttcaagac agagtcagtg aagaaacgtg ggttcantgg gaaaagcgcc 180
aacaanttgc tnctggccca accttgtctn aagagcttct gcaggnctta cgggaaa     237


<210> 293
<211> 630
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (580)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (588)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (594)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (608)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (609)
<223> n equals a,t,g, or c

<400> 293
gnttggaaag acaccacttg gagtttggca aaacactgct cagagacgag agcctgaata 60
tctttcaaaa cctcaatcgt cgacagcatg agcatgccat ccacatgatg gacattgcaa 120
tcattgccac agacctcgcc ctgtatttca agaagaggac gatgttccaa aagatcgtgg 180
atcagtctaa gacatatgag agttaacagg agtggacaca gtacatgatg ctggagcaga 240
cacggaagga aatcgttatg gccatgatga tgaccgcctg tgatctctca gccatcacca 300
aaccctggga ggtgcagagc caggtagctc tgctggtggc tgctgaattc tgggaacaag 360
gtgacctgga gcgcacggtg ctgcaacaga atcccattcc catgatggac agaaacaaag 420
cagatgaact ccctaagctt caagtcggct tcattgactt tgtttgcacc ttcgtctaca 480
aggaattctc ccgtttccac gaggagatca cccaatgtt ggacgggatc accaacaatc 540
gcaaggagtg gaaggccgct tgctgatgaa tacgatgccn agatgaangt gcangaagag 600
aagaaacnna aaccagcaag tcggccaagt                                  630

<210> 294
<211> 346
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
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<222> (24)
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<220>
<221> misc feature
<222> (83)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
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<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<400> 294
nnagcgctcg cnagtggaac actnattgga atccaaaaaa ttcggacagt gggaaatact 60
ggggtaaatc ctggttaccc canaactata ccctggttga tatgaagatt gantttggtg 120
ttgatataac caccaaagaa atggttcttg ctgatgattc ctggagactg gccattacga 180
gtattgaagc caacagtaaa gacannnagt cttactgggn gctcaaagaa gtaactcctg 240
aagggctcna aatggtaaag aaaagctttg aggccgggca cggtgactca tgcctgtaat 300
cccagcactt tgggaggcca aggcaggcag atcacccaag gtcagg            346

<210> 295
<211> 531
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
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<222> (277)
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<220>
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<222> (286)
<223> n equals a,t,g, or c

<220>
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<222> (311)
<223> n equals a,t,g, or c

<220>
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<222> (319)
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<220>
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<222> (320)
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<220>
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<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (383)
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<220>
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<222> (421)
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<220>
<221> misc feature
<222> (423)
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<222> (425)
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<220>
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<222> (427)
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<220>
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<222> (430)
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<220>
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<222> (432)
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<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (508)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (519)
<223> n equals a,t,g, or c

<400> 295
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tcctcgtgcc accctccaaa ccagaatgcg gcatcgaggg agagaccata attgggaaca 120
acatccagct gacctgccaa tcaaaggagg gctcaccaac ccctccagta cagctggaaa 180
gaagttacaa catcctgaat caagancanc ccctggcccc acccacctca ggttcaacct 240
gttctccctt aaaaaatatc tcccacagaa cacatcnggt ttatantctt gttcctccca 300
gcaataagaa nggaaaccnn tttctgcaac ttcacggtgg ccttncaaat ctnccccca 360
taaantttgg cccntttttt tgnctccccg ggggggtttt tttttcacc cccccttatcc 420
ntngngncan cnccttangg ngcngccncc caggggaaag annnaacccc naaaaaaagg 480
gaaaaccggg caccnggacc ctttgaanac cccacactnt aaaatttcca a          531

<210> 296
<211> 572
<212> DNA
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<213> Homo sapiens

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

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<222> (501)
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<220>
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<222> (539)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (546)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (570)
<223> n equals a,t,g, or c

<400> 296
ggttctgccc ccactgctta taatgctggt gatctacatt aagatcttcc tggtggcctg 60
caggcagctt cagcgcactg agctgatgga ccactcgagg accaccctcc agcgggagat 120
ccatgcagcc aagtcactgg ccatgattgt ggggattttt gccctgtgct ggttacctgt 180

```
gcatgctgtt aactgtgtca ctcttttcca gccagctcag ggtaaaaata agcccaagtg 240
ggcaatgaat atggccattc ttctgtcaca tgccaattca gttgtcaatc ccattgtcta 300
tgcttaccgg aaccgagact tccgctacac ttttcacaaa attatctcca ggtatcttct 360
ctgccaagca gatgtcaaga gtgggaatgg tcaggctggg gtacagcctg ctctcggtgt 420
gggcctatga tctangctct cgcctnttca ngagaagatc aaatncacaa gaaacaaaga 480
ggacacggnt ggtttttattg ngaaagatag ctacaccttta caaggaaatg gactggctnt 540
tttgancact tcctggaact accacgtatn ta                                572
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<210> 297
<211> 334
<212> DNA
<213> Homo sapiens

<220>
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<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
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<220>
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<220>
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<220>
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<220>
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<222> (118)

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<223> n equals a,t,g, or c

<220>
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<222> (131)
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<220>
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<220>
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<222> (219)
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<220>
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<220>
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<222> (263)
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<220>
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<220>
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<220>
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<222> (315)
<223> n equals a,t,g, or c
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<220>
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<222> (316)
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<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c


<400> 297
ggcagaaaga aaggccctgc tcctccaggg ctccaacgag atcnaaatcc gcgcccgagg 60
gcaacanccg cttnacctac agcntcactn tcgatggctg cacgantnac accggagncc 120
tggggcaaga nagtgaattg aattacaaaa ccaccaagac ctcccgnttg cccatnnatc 180
gatgtggccc ccttggaacg ttggtgcccc aaaccaggna attcggnttc gaacgttggg 240
ccctgtttgg tttcctgtaa aantcccttc cattcccaac ctgggttccc tnnccaaccc 300
aaccaaattt ttccnnncna acccgggaaa cagg                              334


<210> 298
<211> 293
<212> DNA
<213> Homo sapiens


<220>
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<222> (23)
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<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c


<220>
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<222> (237)
<223> n equals a,t,g, or c


<400> 298
atggaggccg ctgactaccg agnggccagc agccagcagg gcctggccta tgccacagag 60
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gctgtctatg aaagcgcaga ggccccgggc cactatcccg cagaggacag cacctacgat 120
gagtacgaga acgatctggg gatcacagcc gtcgccctgt acgantacca ggctgcgggc 180
gatgatgaga tctcatttna ccctgatgac atcatcacca acatcgagat gattgangac 240
ggctggtggc gcggggtgtg caagggccgc ttcagggagc tcgcattctc ttg      293
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<210> 299
<211> 418
<212> DNA
<213> Homo sapiens

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<220>
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<222> (59)
<223> n equals a,t,g, or c

<220>
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<222> (71)
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<220>
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<222> (78)
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<220>
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<222> (114)
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<220>
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<222> (154)
<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>

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<223> n equals a,t,g, or c

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<222> (221)
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<220>
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<220>
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<223> n equals a,t,g, or c

<220>
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<222> (269)
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<220>
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<222> (278)
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<220>
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<222> (284)
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<220>
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<222> (292)
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<220>
<221> misc feature
<222> (294)
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<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (330)
<223> n equals a,t,g, or c


<220>
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<222> (334)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c


<220>
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<222> (352)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (355)
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<220>
<221> misc feature
<222> (358)
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<220>
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<222> (373)
<223> n equals a,t,g, or c


<220>
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<222> (377)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (379)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<400> 299
aattcggcac gaggggcctg ggcgtttttnt tgttggtctt cgtgctgggt ctgggtctna 60
ccccaccgac nttggntnag gataactcca ggtacacaca cttcctgacc cagnactatg 120
atgccaaacc acagggccgg gatgacagat actntgaaag catcatgngg agacggggcc 180
tgacctgacc ctgcaaagac atcaacacat ttnttcatgg naacaagcgc agattcaagg 240
ncatctgtga aaacaaggan tggaaaccnt tacagggnaa cctnaggttt angnaagttt 300
tttttttcca ggnaaccatt tggaaagttn aatnggggt ttcccnnggg tntnnaanga 360
ctttcccggg gcnaaangng ggnttaaaaa annttttttt ttttttnga aaaaggtt    418

<210> 300
<211> 346
<212> DNA
<213> Homo sapiens

<220>
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<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<400> 300
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cctcttccct gccaaggttg tctctcgcct ggtgaantgg gtgacanttg cccatgagga 120
ttacatggag ctgcacttca ccaaagacat tgtggatgcg ggactggctg gggacaccaa 180
tctctactac atggcgctca tcgaaagggg cacagccaaa ctgcaggccg ctgtggtgtt 240
gaaccctggc tactcctcca tcccacctgt tttccanctc tgtttgaact ggaaanggga 300
gaaaaccaac agcaacnatn acaacattcn gggccatgga gggcga              346

<210> 301
<211> 213
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<400> 301
gctttataat ctgctcatnt ttgcctaata aatgcaacat ccacangaac tgaatttctn 60
aaaaanttgg tactaccagn tattggttcg tttacaatta ttgatggaaa tcaagtcanc 120
ggacaaaatn ctggaaacaa tttcttcctt caaaaaatct tatcngcaan aaccgactga 180
agctgccata gatttcctta cnagaattaa ata   213

<210> 302
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (121)

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<400> 302
ggcacgagcg agaccccagc aggcaccatc ctttaccacg ctcatttaga catcgaggcc 60
ttcaccatgg accgggaagt gcgcaaaatc aaacaaggcc tgggcttgaa atttgctgag 120
ntggtgtata ccggtttctg gcacagccct gagtgtgaat ttgtccgcca ctgcatcgcc 180
aagtcccagg agcgagtgga agggaaagtg caggtgtccg tcctcaaggg ccaggtgtac 240
atcctcggcc gggagtcccc actgtctctc tacaatgagg agctggtgag catggatgag 300
aacctcatgc acatcagcta cgangctgga atcctggaga ncccaagaa ccaagcgctc 360
cangtcttaa acgaagaccc angacccagc caaagcccca acaaccctga catctccgag 420
atcgagttca aaaaagggtc                                            440

<210> 303
<211> 495
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<400> 303
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cccccgggct gcaggacgcc atgttggggt ttgtgggtcg ggtggccgct gctccggcct 120
ccggggcctt gcggagactc acccttcag cgtcgctgcc cccagctcag ctcttactgc 180
gggccgtccg acggcggtcc atcctggtga gagcacagta aggactattg ctatggatgg 240
tacagaaggc ttggttagag gccagaaagt actggattct ggtgcaccaa tcaaaattcc 300
tgttggtcct gagactttgg gcagaatcat gaatgtcatt ggagaaccta ttgatgaaag 360
aggtcccatc aaaaccaaac aatttgctcc cattcatgct gaggctccag agttcatgga 420
aatgagtgtt gagcaggaaa tcttgtgact ggtatcaagg ttgtcgatct gctagcttcc 480
```

```
tatgccaagg gtggc                                                              495
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<210> 304
<211> 293
<212> DNA
<213> Homo sapiens
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<220>
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<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature .
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<400> 304
ggtcagggac aagatggtgc caccggtgca ggtctctccg ctcatcaaga ttacctaaaa 60
cctcgggcag aagaggagag gaggatagca gcagaagaga agaagaagca ggatgaactg 120
aaacggattg ccagagaatt ggcagaagat gacagcatat taaagtgagt gaccctgcga 180
cccactcttt ggaccagcag cggatgaata aagcttcctg tgttgtgtga aaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaagggg cggncnntnt tna           293
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<210> 305
<211> 261
<212> DNA
<213> Homo sapiens

<220>
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<222> (17)
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<220>
<221> misc feature
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<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<400> 305
ccggaatcgg ccctgtngcc cccgcccgca ctccanagcc ggctgagaac ggcagcggcg 60
agggctccac gtgcagcgtc tctccgggca ccttcgggtc caggactaca actcccggca 120
gggtgcgcaa aacgaccgcc caaggcaacg gaggctcacg agaatcagca tgattcttca 180
naggctcttn aggttctcct ctgtnattcg gtcagccgtc tcagtccatt tgcggaggaa 240
cattggtgtt acagcagttg g                                          261

<210> 306
<211> 502
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<400> 306
gcaacactaa aggacgaacc tgatctctta tactagtatc nttaatcatt tttattgcca 60
caactaacct cctcggactc ctgcctcact catttacacc aaccacccaa ctatctataa 120
tcctagccat ggccatcccc ttatgancgg gcgcagtgat tatangcttt cgntctaaga 180
ttaaanatgc cctagcccac ttcttatcaa aangcacacc tacacccctt atccccatac 240
tagttattat ggnaaacatn atcctactcn ttcnaccaat agccctgggc gtnagcctaa 300
tcgcttacat tactgnaggg cacntactca tgcacctcat tggaancgtc ccctacaata 360
tcaatcatta aacttccctc tacacttatc tcttcacatt ctattctaac ttaatatcct 420
aanaaattcc ttttcncttt attccaagcc caactttttc cnactttntt cttaaacccc 480
ttactttncg aaaaaccttt tt 502

<210> 307
<211> 119
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<400> 307
aaccgactat gganttacag ccacaaagca agnggtgaan gctggaacat tcttttggtc 60
tgttgtnatc cctcanttgc ggagaatatt aaccatattg cagtggctca ccntaccag  119

<210> 308
<211> 403
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<400> 308
gcggacggnc ngngaaggtg cttaagcggc tgcgacttca gaagcgaggc acaggcggtg 60
tggacacggc tgcggtgggc ggggtcttcg acgtctccaa cgctgaccgc ctgggcttct 120
cagaggtgga gctggtgcag atggtggtgg acggagtgaa gctgctcatc gagatggagc 180
agcggctgga gcagggccag gccatcgacg acctcatgcc tgcccagaaa tgaagcccgg 240
cccacacccg acaccagccc tgctgcttcc taacttattg cctgggcagt gcccaccatg 300
cacccctgat gttcgccgtc tggcgagccc ttagccttgc tgtnagagat tccgttcaac 360
cttggtanaa tttanttttt tgatgggnna agatatgctg atg 403

<210> 309
<211> 559
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<400> 309
aagcngacac caccctcact aaagggaaca aaagctggag ctccaccgcg gtgcggccgc 60
tctagaacta gtggatcccc cgggctgcag gaattcggca cgaggtttat ctcaaggcct 120
gagtagccgg taacaaacga gggttcccgg gattggaccg acgcagccat gcctctgcga 180
cttgatatca aaagaaagct aactgctaga tctgatcgag ttaagagtgt ggatctgcat 240
cctacagagc catggatgtt ggcaagtctt tacaatggca gtgtgtgtgt ttggaatcat 300
gaaacacaga cactggtgaa gacatttgaa gtatgtgatc ttcctgttcg agctgcaaag 360
tttgttgcaa ggaagaattg ggttgtgaca ggagcggatg acatgcagat tagagtgttc 420
aattacaata ctctggagag agttcatatg tttgaagcac actcagacta cattcgctgt 480
attgctgttc atccaaccc
a gcctttcatt ctaactagca gtgatgacat gcttattaag 540
ctctgggact gggataaaa 559

<210> 310
<211> 521
<212> DNA
<213> Homo sapiens
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<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<400> 310
ggagatgtnt cgctccgtgg ccttagctgt gctcgcgcta ctctctcttt ctggcctgga   60
ggctatccag cgtactccaa agattcaggt ttactcacgt catccagcag agaatggaaa  120
gtcaaatttc ctgaattgct atgtgtctgg gtttcatcca tccgacattg aagttgactt  180
actgaagaat ggagagagaa ttgaaaaagt ggagcattca gacttgnctt tcagcaagga  240
ctggnctttc tatctcttgt actacactga attcacccccc actgaaaaag atgagtatgc  300
ctgccgtgtg aaccatgtga ctttgtcaca gcccaagata gttaagtggg atcgagacat  360
gtaagcagca tcatggaggt ttgaagatgc cgcatttgga ttggatgaat tccaaattct  420
gcttgcttgc tttttaatat tgatatgctt atacacttac actttatgca caaaatgtag  480
ggttataata atgntaacat ggacatgatc ttctttataa t                     521

<210> 311
<211> 591
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
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<222> (528)
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<220>
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<222> (537)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (563)
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<220>
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<222> (571)
<223> n equals a,t,g, or c

<400> 311
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ggattcctga agctgacagc attcgggccg agatgtctcg ctccgtggcc ttagctgtgc 120
tcgcgctact ctctctttct ggcctggagg ctatccagcg tactccaaag attcaggttt 180
actcacgtca tccagcagag agtggaaagt caaatttcct gaattgctat gtgtctgggt 240
ttcatccatc cgacattgaa gttgacttac tgaagaatgg agagagaatt gaaaaagtgg 300
agcattcaga cttgtctttc agcaaggact ggtctttcta tctcttgtac tacactgaat 360
tcacccccac tgaaaaagat gagtatgcct gccgtgtgaa ccatgtgact ttgtcacagc 420
ccaagatagt taagtgggat cgagacatgt aagcagcatc atggaggttt gaagatgccc 480
gcatttggat tggatgaatt caaattctgc ttgcttggtt tttaatantg atatgcntat 540
acacttacct ttatgcncaa aanggtaggg ntataataat ggtaacatgg g   591

<210> 312
<211> 584
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (20)

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<220>
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<220>
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<220>
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<220>
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<222> (527)
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<220>
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<222> (535)
<223> n equals a,t,g, or c


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<220>
<221> misc feature
<222> (576)
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<400> 312
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aaaaaaaaaa aaaagggcgg ccgttctaga ggatccaagc ttacgtacgc gtgcatgcna 120
cgtcatagct cttctatagt gtcacctaaa ttcaattcac tggccgtcgt tttacaacgt 180
cgtgactggg aaaaccctgg cgttacccaa cttaatcgcc ttgcagcaca tccccctttc 240
gccagctggc gtaatagcna anaggcccgc accgatcgcc cttcccaaca gttgcgcanc 300
ctgaatggcn aatgggacgc gccctgnann ggcgcattaa gcgcggcggn tgaggtggtt 360
acgcncagcg tgaccgctac acttgccagt gccctagcgn ccgctccttt cgctttcttc 420
cctncctttc tcgccangtt cgccggcttt ccccgtcaag ctctaaatcg ggggctccct 480
ttagggttcc gatttagtgc tttacggnac cttcgacccc aaaaaanttg attanggtga 540
tggttcacgt aantgggcca tcgcccttga tagacnggtt tttc                  584
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<210> 313
<211> 763
<212> DNA
<213> Homo sapiens
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<222> (12)
<223> n equals a,t,g, or c
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<222> (52)
<223> n equals a,t,g, or c
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<221> misc feature
<222> (54)
<223> n equals a,t,g, or c
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<221> misc feature
<222> (264)
<223> n equals a,t,g, or c
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<221> misc feature
<222> (297)
<223> n equals a,t,g, or c
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<222> (331)
<223> n equals a,t,g, or c
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<222> (431)
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<222> (496)
<223> n equals a,t,g, or c

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<222> (528)
<223> n equals a,t,g, or c

<220>
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<222> (530)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (588)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (641)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (657)
<223> n equals a,t,g, or c

<220>
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<222> (676)
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<221> misc feature
<222> (714)
<223> n equals a,t,g, or c
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<222> (730)
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<220>
<221> misc feature
<222> (731)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (744)
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<400> 313
gaaaaaaaaa nnaaaaaaaa aaaaaaaaaa aaaaaaaaaa aagggcggcc gntntagagg 60
atccaagctt acgtacgcgt gcatgcgacg tcatagctct tctatagtgt cacctaaatt 120
caattcactg gccgtcgttt tacaacgtcg tgactgggaa aaccctggcg ttacccaact 180
taatcgcctt gcagcacatc cccctttcgc cagctggcgt aatagcgaag aggcccgcac 240
cgatcgccct tcccaacagt tgcncagcct gaatggcgaa tgggacgcgc cctgtancgg 300
cgcattaagc gcggcgggtg tggtggttac ncgcagcgtg accgttacac ttgccagcgc 360
cctagcgccc gntcctttcg ctttcttccc ttcctttctc gccacgttcg ccggctttcc 420
ccgtcaagct ntaaatcggg ggctcccttt agggttccga tttagtgctt tacggcacct 480
cgaccccaaa aaactngatt agggtgatgg ttcacgtagt gggccatngn cctgatagac 540
ggttttcgc cctttgacgt tggagtccac gttcttaata gtggactntt gttccaaact 600
ggaacaacac ttaaccctat ctcgggctat tcttttgatt nataagggat ttttccnatt 660
tcgggcctat tggttnaaaa aatgaagctt gttttaacaa aaaatttaac gcgnaatttt 720
accaaaaatn nttaaacggc ttanaattta agggggggcc ctt                   763

<210> 314
<211> 761
<212> DNA
<213> Homo sapiens

<220>
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<222> (76)
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<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (339)
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<220>
<221> misc feature
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<222> (345)
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<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c


<220>
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<222> (386)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (437)
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<220>
<221> misc feature
<222> (441)
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<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (460)
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<220>
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<222> (467)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (483)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<220>
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<222> (528)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (535)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (545)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (557)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (567)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (581)
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<220>
<221> misc feature
<222> (596)
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<221> misc feature
<222> (611)
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<220>
<221> misc feature
<222> (632)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (644)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (651)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (653)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (657)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (660)
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<220>
<221> misc feature
<222> (664)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (675)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (678)
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<222> (692)
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<220>
<221> misc feature
<222> (723)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (744)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (756)
<223> n equals a,t,g, or c

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aaaaaaaaaa aagggnggcc gctctaaagg atccaagctt acntacgcnt gcatgcaang 120
tcatanctct cctatagtgt cacctaaatt caatncactg gccgtcgttt tacaacgtcg 180
tgactgggaa aaccctggcg ttacccaact taatcgcctt gcaanacatc cccctttcgc 240
cagctggngt natancnaaa aggcccgcac cgatcgccct tcccaacagt tgcgcancct 300
gaatggcaaa tgggacgcgc cctgttacgg cgcattaanc ccggngggtg tggtggttac 360
ccccaangtt naccgctaca cttgcnagcg ccctagngcc cgctcctttc gctttcttcc 420
cttcctttct cgccaanttc ngccggnttt ccccgtcaan ctctaantcg ggggcccctt 480
tanggttcca atttatgctt tacggcaccn caacccaaaa aacttnnnta aggtnatggt 540
ccacntatgg gccatcncct aataaanggt tttccccctt ngaaattgga atccanttct 600
taaaagggaa nctgttccaa atggaaaaaa anccaaccct atcncgggct ntncctngan 660
ttanaaaggg aattnggnca attccggcct antgggttta aaaaattgaa actgaattta 720
aanaaaaatt taaacgcaaa attntaaaaa aaattnttta a                    761

<210> 315
<211> 540
<212> DNA
<213> Homo sapiens

<220>
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<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
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<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
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<220>
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<222> (422)
<223> n equals a,t,g, or c

<220>
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<222> (432)
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<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
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<222> (484)
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<220>
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<222> (488)
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<220>
<221> misc feature
<222> (504)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (528)
<223> n equals a,t,g, or c


<400> 315
gatttttat aaaccacggt tgcagccaaa aaaaaaaaan aaaaannaaa aaaaaaaaaa 60
aaaagggcgg ccgctctaga ggatccaagc ttacgtacgc gtgcatgcna cgtcatagct 120
cttctatagt gtcacctaaa ttcaattcac tggccgtcgt tttacaacgt cgtgactggg 180
aaaaccctgg cgttacccaa cttaatcgcc ttgcagcaca tccccctttc gccagctggc 240
gtaatagcga anaggcccgc accgatcgcc cttcccaaca gttgcgcagc ctgaatggcg 300
aatgggacgc gccctgtagc ggcgcattaa gcgcggcggg tgtggtggtt acgcgcagcg 360
tgaccgntac acttgnaagc gccctaacgc ccgntccttt cgctttcttc ccttcctttc 420
tnccacgttc gnccggtttc ccgtcaagct ctaaatcggg ggctccttta agggtccnaa 480
ttantggntt tacgggacct tgancccaaa aaaacttgat ttaggggnga agggttcacg 540


<210> 316
<211> 513
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c


<220>
<221> misc feature
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<222> (483)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (496)
<223> n equals a,t,g, or c


<400> 316
gtctttctgt taatttccct ctgcctaaag actacatgac agaaatgacc tatcactact 60
tattatttct gaagcctaac tgcaagactg atttctgaga acaagtaaag aactggaata 120
cttatttttc atataaaaat ctaaatgtgt taataaatca tttcatacaa aagtacatta 180
ttaaataacc acattattaa aataaaaaaa aaaaaaaaag ggcggccgct ctagaggatc 240
ccaagcttac gtacgcgtgc atgcnacgtc atagctcttc tatagtgtca cctaaattca 300
attcactggg ccgtcgtttt acaacgtcgg tgactgggaa aaccctggcg ttacccaact 360
taatccgcct tgcagcacat ccccctttcg ccagctggcg taatagcgaa gaggcccgcn 420
ccgatcgccc ttcccaacag ttgcgcatgc tgaatggcga atgggacncg ccctgtancg 480
ggngcattaa agcgcngcgg gtgtggtggt tac                          513
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<210> 317
<211> 389
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c


<220>
<221> misc feature
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<222> (75)
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<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
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<223> n equals a,t,g, or c

<400> 317
gcccacgcnt ccgaaaaaaa aaaaaaaaaa naaaaaaaaa aaaaaaaaaa aaaaaaaaan 60
gggcggccgn tntanaggat ccaagcttac gtacgcgtgc atgcnacgtc ntagctcttc 120
tatagngtca cctaaattca attcactggc cgtcgtttta caacgtcgtg actgggaaaa 180
ccctggcgtt acccaactta atcgccttgc agcacatccc cctttcgcca gctggcgtaa 240
tagcgaanag gcccgcaccg atcgcccttc ccaacagttg cncagcctga atggcnaatg 300
ggacgcgccc tgtagcggcg cattaagcgc ggcgggtgtg gnggttacnc ncagcgngac 360
cgttacactt gccagcgccc tagcgcccg                                    389


<210> 318
<211> 388
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c


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<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c


<220>
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<222> (168)
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<220>
<221> misc feature
<222> (171)
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<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c


<220>
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<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (366)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c


<400> 318
nnnatctctc tggnggaccc aatttacata ggaaacagct atgaccatga ttacgccaag 60
ctctaatacg actcactata gggaaagctg gtacgcctgc aggtaccggt ccggaattcc 120
cgggtcgacc cacgcgtccg gtnnanaccn atgnggggnn agntctcngg nggnaaggaa 180
aatcgtgcaa agaggnanta atgaatgtgg atcacgagga tanccnntta gtgnaggaan 240
tncatcgttt gggtntaaaa aatgctgatg gaaagttaan tgtgaaaatt ggggtcctct 300
ttcgtgatga taantgagcc aacctctttg aagcattggt aggaactctt aaagctgtna 360
aacgananaa gaatgtncat atccagga                                    388


<210> 319
<211> 418
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c
```

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<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c


<400> 319
gatatttgtt actttagtt ctataagtga ggaagagttt atggcaaaga tttttggcac 60
tttgtttca agatggtgtt atcttttgaa ttcttgataa atgactgttt ttttctgcct 120
aatagtaact ggttaaaaaa caaatgttca tatttattga ttaaaaatgt ggttgcttaa 180
ttcctaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagggcg gccgntctan 240
aggatccaag cttacgtacg cgtgcatgcg acgtcatagc tcttntatag tgtcacctaa 300
attcaattca ctggccgtcg ttttacaacg tcgtgactgg gaaaaccctg gcgttaccca 360
acttaatcgc cttgcagcan atcccccttt nnccanctgg ngaataccaa aaggcccg 418


<210> 320
<211> 684
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c


<220>
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```
<221> misc feature
<222> (570)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (594)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (596)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (606)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (670)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (684)
<223> n equals a,t,g, or c


<400> 320
cgggaaattc ncaaagctgt ttccgcctgc aggtcccggt ncggaattcc cgggtcgacc 60
cacgcgtccg natccccagt gtgaggttaa tgagcaaaat tggtctttgg ggcccttttt 120
gtccaagccc cactgaaagg cctcttcaga aaactattat ctttaaagcc ctactttaac 180
tccttaattc cagcatacag ctaaaactgg atgtatattc tggcaagtaa aggctgagga 240
ctcctctttta ntcctcagat ctagataact catgacattt tatttgacca acatagcaca 300
tgatgagata tcaaggtaat taaaatagca tgcttgaaaa aaaatacgta atctgtttca 360
cctgtaactg tttaagccaa taaacttttc aaaatttaaa aaaaaaaaa aagggcggcc 420
gctctagagg atccaagctt acgtacgcgt gcatgcgacg tcatagctct tctatagtgt 480
cacctaaatt caattcactg gccgtcgttt tacaacgtcg tgactgggaa aaccctggcg 540
ttacccaact taatcgcctt gcagcacatn cccctttcgc agctggcgta atancnaaga 600
ggcccnaccg atcgcccttt ccaacagttg cgcagcctga atggcgaatg ggacgcgccc 660
tgtagccggn cattaagcgc cggn                                      684


<210> 321
<211> 216
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (2)
```

```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c
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```
<400> 321
cncnagaccn nctttggaaa cgccngacta tagggaaagc tggtacgcct gcaggtaccg 60
gtccggaatt cccgggtcga cccacgcgtc cgcccggctg gaggctgnca gaaggatgct 120
ggggataagc ccttaggcac cagcttagac acctncaaga accaggcccc gctgatgcaa 180
ganggcagan cngatacccca tnagagcccc gagaat                          216
```

```
<210> 322
<211> 557
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (509)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (545)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (546)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (550)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (555)
<223> n equals a,t,g, or c


<400> 322
ggtccagaag cctccccgac cccccaagct atttgctcan attaacaaat taaagtgcct 60
gaagcataat tcatttttgt atctgtggta acaaaacntt aaccaaaaga ttttctgtcc 120
agaagcctcc ccgacccccc aagctatttg ctcacattaa caaattaaag tgcctgaagc 180
ataattcatt ctttacctgt atactaaaaa ccctgttgta ttgatttttt tataataagc 240
ctttttacct ctgtgtaaaa aatatatata caagtgtatg atgtanattt tagttcttaa 300
ctttttttta tggtttctaa tatgtatgac caatgtagcc attgctttaa aatgtaccgt 360
gtaaatataa acacatccta tcagaaaaaa aaanaaaaaa gggcggccgc tctanaggat 420
ccaagcttac gtacgcgtgc atgcgacgtc atagctcttc tatagtgtca cctaaattca 480
attcactggc cgtcgtttta caacgtcgng actgggaaaa accctgggcg ttacccaact 540
taatnnggcn ttgcngg                                                   557


<210> 323
<211> 145
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (56)
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```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<400> 323
ggtancngca gtacngtcng aattcccggc tctagagatc caagcttacg tactgngcat 60
gcacgtcata gctcttctat agtgtcacct aaattcaatt cactggccgt cgttttacaa 120
cgtcgtgact gggaaaacnn tntan                                      145

<210> 324
<211> 353
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<400> 324
nnnattcatc atagccacca tcaccctnct taacctctac ttntacctac gcctaatcta 60
ctccacctca atcacactac tccccatatc tagcaacgta aaaataaaan gacagtttga 120
acatacaaaa ccnaccccat tcctcnccac actcatcgcc cttaccacgc tactcctacc 180
tatctccccc tttatactaa taatcttata aaaaanaana aaaangggcg gncgntctag 240
aggatccaag cttacgtacg cgngcatgcg acgtcatagc tcttctatag ggtcacctaa 300
attcaattca ctggccgtcg ttttacaacg tngngactgg gaaaacccng gcn          353

<210> 325
<211> 553
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (513)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (524)
<223> n equals a,t,g, or c

<400> 325
ggcacgagga caaagccttg ctctgttccc caggctggag tgcattggtg caatcatggc 60
tcactgcagt ctcaaccttc cggactcaag tgatggtccc gcttcagcta cttgggaggc 120
tgaggcagga gaatcgcttg aacccgggag gcggaggttg cggggagccg ggattgtgcc 180
actgcactcc accctagagt gagactccct ctcaaaaaaa aaaaaaaaaa actcgagggg 240
gggcccggta cccaattcgc cctatagtga gtcgtattac aattccactg gccgtcgttt 300
tacaacgtcg tgactgggaa aaccctgggc gttacccaac ttaaatcgcc ttgcagcana 360
tcccctttcg ccagctgggt naattagcga agaggcccgc accgantcgc cttcccaaca 420
gttgcgcagt ggaatggcga atggcaantg taagcttaaa ntttgtttaa aattcgcgtt 480
naaatttttg gttaaatcag ctcatttttt aancataagg ccgnaatcgg gaaaatccct 540
tattaaatcc aaa                                                   553

<210> 326
<211> 628
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

```
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (592)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (602)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (613)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (622)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (625)
<223> n equals a,t,g, or c

<400> 326
gcntgcntcc aagtccatag gtcctgcctc ttcaatcctg gctttctagg gcctgggatg 60
atcattgcta gaactgagag accagcctgg ctagaacttc agggcgttcc attcattctt 120
tcagtaaatg tttgcagcac atgtgttaca tgtcaggcag tgaaaccccc cacagcagcc 180
ttccctctca gaggatacat ttgtaaccat tacacagtca tcagaggaat aatttttttt 240
aatcaccagt gtgcacacag tcatggagtt gggtattccc agctaccagg gaggctgagg 300
tggaggatt gcttgatgcc aggagttagg gaatatagtg caccgtgatt ggacttgcga 360
atagccactg cactgcggcc tggacgacgt agtgataccc tgactcttat aaataaataa 420
```

```
atgaataaac acannanaaa aaaaaaaggg cggccgctct agangatcca agcttacgta 480
cgccgtgcat gcgacgtcat aactcttcta taggggcacc taaattcaat tcactggccc 540
gccgtttaca acgtctgact gggaaaaccc tggcgttacc caacttaatc gncttgcaga 600
anatcccctt ttnccaactg gnggnata                                    628
```

<210> 327
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>

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<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<400> 327
gatgactgat gttattatac antatggtaa atacaaagtt gtagtattat ggttcttgat 60
ggtgtgattt acttatgtaa attatgtaca aatttaagtt caatgaaaca ctgatttaat 120
gtactgaaag gtaaatagta ccatagtgaa ttattttctg tcttgcctta ggtttatttt 180
tattatcttc aatattagaa taaatgctaa attattttca aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa gggnggangn tctanaggat ccaagcttac gtacncgtgc atgcaangnn 300
atagntcttc tatagtgtca cctaaattca attnactggc cgtcgattna caacgtcgtg 360
actgggaaaa ccctggcgtt acccaactta atcgccttgc agcacatccc cctttn     416

<210> 328
<211> 629
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
```

```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c
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```
<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (484)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (512)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (544)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (554)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (573)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (598)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (619)
<223> n equals a,t,g, or c


<400> 328
tttttttttt tttttttcggc gctgccgtat cgttccgcct gggcgggatt ctgacttaga 60
ggcgttcagt cataatccca cagatggtag cttcgcccca ttggctcctc agccaagcac 120
atacaccaaa tgtctgaacc tgcggttcct ctcgtactga gcaggattac catggcaaca 180
acacatcatc agtagggtaa aactaacctg tctcacgacg gtctaannna aanaaaaaaa 240
annnaaaaaa gaattcnaaa agcttctcga nagtncttct aaancggccg cgggcccatc 300
nattttccac ccgggtgggg taccaggtaa gtgtacccaa ttcgccctat agtgagtcgt 360
attacaattc actggccgtc gttttacaac gtcntgactg ggaaaaccct ggcgttaccc 420
aacttaatcg ccttgcagca catccccctt tcgccagctg gcgtaatanc gaaaaaggcc 480
gcancgatcg cccttcccaa cagtttgcgc ancctgaaat ggcgaatgga aatcaatttt 540
```

```
taantgttta atgntgttaa actactgaat ccnaattgtt tggtgttttt taaaatcnca 600
gtcccaaggg tcatttcang gccctcaat                                    629
```

<210> 329
<211> 458
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)

```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
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<220>
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<222> (277)
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<220>
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<222> (285)
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<220>
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<222> (295)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (333)
<223> n equals a,t,g, or c

<220>
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<222> (339)
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<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c
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<220>
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<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

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<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature.
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<400> 329
aatntaaaaa aaaaaaaaan aaaaaaaaaa naaaaaaaaa agggcggccg ctctaaagga 60
tccaagctta cgtacgcgtg catgcnacgt catagntctg ctatagtgtc acctaaattc 120
aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa accctggcgt tacccaactt 180
aatcgccttg cagnacatcc ccctttcgcc agatggcgta atagcnaaaa ggcccgcncc 240
gatcgccctt cccaacagtt gngcagnctg aatggcnaan gggangcgcc ctgtngcggc 300
gcattaagcg cggcgggtgt ggtggttacg cnnagggtna ccgctncact tnccancgcc 360
ctagcgcccg gncctttcgn tttcttccct tcctttctcg ccacnttcgc cggnttttccc 420
cgtcaagctc taaatcgggg ggtccctttt anggttcc                         458


<210> 330
<211> 453
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
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<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<400> 330
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gcccctatac cttctgcata atgaattaac aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
aaaaaaaagg gcggccgntc tanaggatcc aagcttacgt acgcgtgcat gcnacgtcat 120
agctcttcta tagngtcacc taaattcaat tcactggccg tcgttttaca acgtcgtgac 180
tgggaaaacc ctggcgttac ccaacttaat cgccttgcag cacatccccc tttcgccagc 240
tggcgtaata gcgaaaaggc ccgcaccgat cgcccttccc aacagttgcg cagcctgaat 300
ggcgaatggg acgcgccctg tancggngca ttaagcgcgg cgggtgtggt ggttacgcgc 360
agcgtgaccg ttacacttgc cagcgcccta ncgcccgctc ctttcgtttc ttcccttnct 420
ttctcgnnac gttcgccggt ttccccgtta agn                               453
```

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<210> 331
<211> 498
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (469)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c


<400> 331
gagaaagctg actaatccaa agggcaaggt ggtttacctt aaagaaaaaa aaaaaaaaag 60
ggcggccgct ctagaggatc caagcttacg tacgcgtgca tgcgacgtca tagctcttct 120
atagtgtcac ctaaattcaa ttcactggcc gtcgttttac aacgtcgtga ctgggaaaac 180
cctggcgtta cccaacttaa tcgccttgca gcacatcccc ctttcgccag ctggcgtaat 240
agcgaagagg cccgcaccga tcgcccttcc caacagttgc gcagcctgaa tggcgaatgg 300
gacgcgccct gtacggcgca ttaagcgcgg cgggtgtggt ggttacgccc agcgtnaccg 360
ntacacttgc cagcgcccta ncgccccgct ccntttcgct ttctttccct ttccttttct 420
tggncacgtt tcnccgggtt tttcccccgt tnaaagcctt ttaaaatcng ggggggcttc 480
ccntttaaag gggttccc                                             498


<210> 332
<211> 450
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c


<220>
<221> misc feature
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<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
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<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c


<400> 332
aattcggcag aggtactcct ggcttatcaa tggaacattc cagcaaagca cacaagagct 60
ctttatccct aacatcactg tgaataatag tggatcctat acctgccacg ccaataactc 120
agtcactggc tgcaacaggg ccacagtcaa gacgatgcat agtcactgag ctaagtccag 180
tagtagcaaa gccccaaatc aaagccagca agaccacagt cacaggagat taaggactct 240
gtggaacctg gacctggttc cacaaaatgg acactggnat cttccatccc gttggttctt 300
tcaaaaaacc aggggtnttc ccgtcctngg ggggnttnga aggtttntcc ccnggggnaa 360
aaaaccancc ttnnggnntt aaancncttt tnaangnggg ggggtttttt gggangngtt 420
ttgggntntn ggggttttta aacccntttg                                 450
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<210> 333
<211> 434
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<400> 333
gntgaacgta aactataatg ctctaccaca agaaaatggc ctctcacctg gggccatngc 60
tggcattgtg attggagtag tggccctggt tgctctgata gcagtagccc tggcatgtnt 120
tctgcatttc gggaagaccg gcagctcagg accactccaa tgacccacct aacaagatga 180
atgaagttac ttatnctacc ctgaactttg aagnccanca acccacacaa ccaacttcag 240
cctccccatc cctaacagcc acagaaatna tttattccag aagtaaaaaa ncagtnatga 300
aacctggtcc tgctcnctgc agtgcctgat gtntttncaa gtctctcacc ccccatcact 360
aggaaattcc tttcccctgt tngggtaaag ggtggggana gaaancaatt tctcctactc 420
tcctncctat agga                                                   434

<210> 334
<211> 612
<212> DNA
<213> Homo sapiens

<220>
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<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (482)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (525)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (540)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (565)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (583)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (606)
<223> n equals a,t,g, or c


<400> 334
ggtctagcca caacagggtc aatgctcgcc ttgcaggtgc ccccagcgag gacccccagt 60
tccccaaggt gcagtggcca ccccgtgaac tttgttctgc ctgccacaat gaacgcctgg 120
atgtgcccgt gtgggacgtg gaagccaccc tcaacttcct caaggcccac ttctccccaa 180
gcaacatcat cctggacttc cctgcagctg ggtcaacttg cccgagggat gtgcagaatg 240
tggcaagccg ccccaaactg gcgatgggag ccctggagct ggaaagccgg aattcaactc 300
tggaccctgg gaagcctgag atgatgaagt cccccacaaa caccacccca catgtgccgg 360
ctganggacc tgaggcaagt cgacccccga agcttgcacc ctggcctaaa acttgaccag 420
gccaggaacc ctctgancac aatggcaaaa gcttnaaagg aatgaaccag gaancaagcc 480
gntttgggca atngggnact ttgagccaaa gccgaagaac accanggggc ttggatttgn 540
tttggcttta atttccaagg ggttnaaaaa aaaaaacccg gcnttttttg gggggcccccc 600
tttttnggaa gg                                                    612


<210> 335
<211> 462
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<400> 335
gcccacgcgt ccgcatgttt ccaggagggg ccatgggggt cagggtggtt ttgagagagc 60
agggtaagga aggaatgtgc tagaagtgct cctagtttct tgtaaaggaa gccagagttg 120
acagtacaaa gggtcgtggc cagccctgca gcttcagcac ctgccccacc cagagtggga 180
gtcaggtgga gccacctgct gggctccccc agaactttgc acacatcttg ctatgtatta 240
gccgatgtct ttagtgttga gcctctggat tctggggtct gggccantgg ccatagtgaa 300
acctgggaat gaatggtact tgaacatctg ggcttgncag ccacaaggaa aggccaancc 360
catgtacccc aancattctt gccaacccct gctctgggca ttcccggaag ggtcgatcct 420
taggcttngc tttaaaagcc cttgcccttg cctttntctt gg                      462

<210> 336
<211> 336
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (208)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c


<400> 336
gcagattttg atcgttttaa agttatgaag gcaaagaaaa tgaggaacag aataatcaag 60
aatgaattaa gaagcttcaa aaggcagctc tcctgaaagc ttctcccaaa aaacacctgg 120
tactaagggt actgctgctg ctgctgctgc tgctgctgct gctgctaaan tccancnaaa 180
aanatcaccg cccganttaa aagntccncc caaaagtcct gcccaaaaan cccaggccaa 240
aaacacgctg ctccaaactc anaggtcaaa actcncccaa aaccctctcc aangctctgc 300
aaaaagctta ttgcatcnta aaattataag gtctnn                          336


<210> 337
<211> 303
<212> DNA
<213> Homo sapiens
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<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (267)
<223> n equals a,t,g, or c


<400> 337
agacaatcct taccatgtga naggnggnat gactgtnatg gcatgagann ngcatcacta 60
tgananngan aactcagtag aagataatgg caagtccaga ctggggatat gatgacaaan 120
atggtcctga acaatggagc aagctgtatc ccattgccaa tggaaatnac cagtcccctg 180
ttgatattnn gnccagtgaa accaaacatg acacctctct ganacctatt agtgtctcct 240
acaacccanc cacagnnaaa gaaattntcc aatgtggggg cattccttcc atgtaaattt 300
ttg                                                              303


<210> 338
<211> 460
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c
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<400> 338
gatttaaggc atntcctgca tgcacagttg cagttagtta ttccaggtat tatttttgtt 60
ttcagaaaaa gaaaactcag tagaagataa tggcaagtcc agactgggga tatgatgaca 120
aaaatggtcc tgaacaatgg agcaagctgt atcccattgc caatggaaat aaccagtccc 180
ctgttgatat taaaaccagt gaaaccaaac atgacacctc tctgaaacct attagtgtct 240
cctacaaccc agccacagcc aaagaaatta tcaatgtggg gcattccttc catgtaaatt 300
ttgaggacaa cgatnaccga tcaagtgctg aaaggtggtc ctttctctga cagctcaggc 360
tctttcagtt ccattttcac tggggcagtc aaaatgagca tgggttaana acattccagt 420
ggnntgggag tcnaaatatt ctggccgagc tttnacgtaa 460

<210> 339
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<400> 339
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ggtgccgatt cctgccctgc cccgaccgcn agncggacca tntcccatca ntgggggtac 60
ggcaaacaca acggacctaa gcactggcat aaggacttcc ccattgccaa gggaagagcg 120
ccagtncccc tgttganatc gacactncat acagccaagt ntgaaccctt ccntgaaagc 180
ccctgtttgt ttcctatgaa tcaagcaact tccctgagga tcctcaacaa tggtcatgct 240
ttcaacgtgg gagtttgnat gactctnnag gacaaagcag tgcttcaagg gaaggacccc 300
tgggttgggc actttacaga ttggttttca tttttttcaat tttcaatggg ggtttcaatt 360
tgatgggaca aggtttcnga ggcataattg tgggttaaaa agnaatntgg ntgcng     416
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<210> 340
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (201)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
·<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<400> 340
ggcanagtga atgttgctgg agaacaaggc cagcattttt ggaggaggac tgcctgcccc 60
ataccaggtc aaacanttgc acctgcactg gtccgacttg ccatataagg gctcggngca 120
cagcctcgaa tggggngcac tttgccatgg gagatgcaca tagtacatgn gaaaagagaa 180
ggggacatcg aggaatgtga naanagggcc caggaaccct gaagacgaaa ttncggtgct 240
gggccttttt ggtgggaggc tgggaaccca ggtgaaacga gggctttcca gccactggtg 300
ggaggcactn tcttaatatt ccccaaacct nnggntgnng cattacgatt ggcaganagg 360
ca   362

<210> 341
<211> 328
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (311)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c


<400> 341
aagcctttca agatgatccc cggagtggtg gatggggtct tcctgcccag gcaccccag 60
ganctgctgg cctctgccga ctttcagcct gtccctanca ttgttggtgt caacaacaat 120
gaattcggct ggctcatccc caaggtcatg angatctatg atacccagaa ngaaatggac 180
aganangcct cccangctgc tctgcagaaa atgttaacgc tgctgatttg cctcctacat 240
ttggtgacct gctgaaggaa gaattcattt ggggganaatn gggatcccca aaaccccaa 300
acncatttcc nggaaaataa ttgcngaa 328


<210> 342
<211> 140
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<400> 342
aangggactt nccagtgatg cacccaagag ctntttatcc ccaacatcac tgtgaataat 60
aggggatccn atncgtgcca agcccataac tctacactgg ccttaatagg agcacagtca 120
cgaatatcnn agtctatgcn                                                140

<210> 343
<211> 477
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<400> 343
gggacagcag agctgacagt cacagcagcc ctgacaagag agttcctgga gcccaagctc 60
ttctccacag aggacaagca ggcagcagag accatggggt ccccttcagc ctgtccatac 120
agagtgtgca ttccctggca ggggctcctg ctcacagcct cgctttaac cttctggaac 180
ctgccaaaca gtgcccagac caatattgat gtcgtgccgt tcaatgtcgc agaagggaag 240
```

```
gaggtccttc tagtagtcca taatgagtcc cagaatcttt atggctacaa ctggtacaaa 300
ggggaaaggg tgcatgccaa ctatcgaatt ataggatatt gtaaaaaata taagtcaaga 360
aaatgcccaa ggcccgacac aacgtcgaga gacatntacc caatggaacc ttgtgttcca 420
nacgtaccac atgcncagga tttttcctca ctataaaana aanttggatg agaatac    477
```

<210> 344
<211> 389
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
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<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>

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<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<220>
<222> (201)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<400> 344
nnnnnnnnnt ntcgcacgnc nngccagcca anccntcact aaagggaaca aaagctggag 60
ctccaccgcg gtgcgaccgc tctagaacta gtggatcccc cgggctgcag gaattcggca 120
cgaggccggc cggggctggc acgnncgccg cggcggggnc tggaggcgcg accgggcgcc 180
cccgagcggg aatcagaacg ncgccgaggg gaccagatca acgccagcaa gaacgaggag 240
gacgcgggaa aaatgttcgt tggtggcctg agctgggata ctagcaaaaa agatttaaaa 300
gactatttta ctaaatttgg agaggtcgtt gactgtacaa taaaaatgga tcccaacact 360
ggacggtcaa gagggtttng gtttatcct   389

<210> 345
<211> 152
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c


<400> 345
tcgacccacg ngtccggggc gcaccatggc ccgnggggct gngctggngc tgctgctctt 60
nggnctgctg ggtgttctgg tcgncgnccc ggatggtggt ttcgatttat ccgatgccct 120
tnctgacaat gaaaacaaga aacccactgc aa                                152


<210> 346
<211> 634
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (586)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (588)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (598)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (613)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (621)
<223> n equals a,t,g, or c


<400> 346
tntgtctgaa tgtaaatcac cttctgagcc gntgattncc aagagggttg gtcttattca 60
catatcccaa gtcatctcag aaattgatgg taacaggatg accttgagcc aagaaggagc 120
acaagattcc ttccctcttc agcagaagat cttggtttgc tctttgatgc tcttgatcag 180
gcagttgaaa atcaaagagg tcactctggg gaagttatat gaagcctaca gtaaagtctg 240
tcgcaaacag caggtggcgg ctgtggacca gtcagagtgt ttgncacttt cagggctctt 300
ggaagccagg ggcattttag gattaaagag aaacaaggaa acccgtttga caaaggtgtt 360
tttcaagatt gaagagaaag aaatagaaca tgctctgaaa gataaagctt taattggaaa 420
tatcttagct actggattgc cttaaattct tctcttacac cccacccgaa agtattcaag 480
ctggcattta nagagctaca ggcttcattt taaggcttta cacattcggg cctgaaaaca 540
aatatgacct tttttacttg aagccaatga attttaatct atagancntt aaaattanca 600
cagaataata tcnttggggc ntactatttt accc                              634


<210> 347
<211> 363
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (233)
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<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c


<400> 347
ggcacgagag gaatatggag aggctgactc ttgcttgtgg tggggtggcc ctgaattctt 60
ttgaggacct aagtcctgac tgcttgggac atgcaggact tgtatatgag tatacattgg 120
gagaagttca cctttattga gaagtgtaac aaccctcgtt ctatcacatt attgatcaaa 180
ggaccaaata agcccacact tagatcaaag atgcagtaaa gggatggnct tgnaggctg 240
tncaaaaatg ctgttgatga tggctgtntg gttccgggtg ctggtgctgt ggaagtggca 300
atggcagaag ccctggatna annnnaantc catgtaaagg gcaaggcaca gttggggtcc 360
agc                                                                363
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<210> 348
<211> 388
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<400> 348
aattcggcac gagctgaagg ctagcaaacc gagcgatcat gtcgcacaaa caaatttact 60
attcggacaa atacgacgac gaggagtttg agtatcggtt agtgctggcg cgggagcaat 120
agcgagggtc gtgagctttg gccgctgagg gcacaaggaa ttagtaacag gaactgaggc 180
gatagaattg gcgcatgcgt atganacatg tcatgctgcc caaggacata gccaagctgg 240
tccctaaaac ccatctgatg tctgaatctg aatggaggaa tcttggcgtt cagcagagtc 300
agggatgggt ccattatatg atccatgaac cagaacctna aatnttgctg ttccggggcc 360
attnccagga accaaggaat tnagtttc                                    388

<210> 349
<211> 194
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<400> 349
gagttgttgc ctgggctgga cgtggttttg tctgctgngc ccgctcttag ngctctngtn 60
taatttnang cagngcgcca gcnggatggt ncacaagcag atatactact cggacaagta 120
cttngangaa cactacgagn accgggatgg tatgttaccc agagaacttg acaaacaagn 180
acctaaaact natc                                                   194

<210> 350
<211> 524
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (484)
<223> n equals a,t,g, or c

<400> 350
ttaaccttnt naanggnaca aagtctggnt ctccaccagg tggaggaccg ctcctagcaa 60
ctagtgggtc ccccgggcct gcagnaattc ggcagtgncg naaagcccta cggcgtcact 120
gcaatgtgct ggaactggga gcaagtgnca gcggctggac ggcatcctga gtcgagacca 180
ttccgattca cgggcgcggc aacttcccca cgctcgagct gcagccgagc ctgtatcgtn 240
aaggtggtgc ggcggcgnct tgccgagaag cgcatcggcg tccgcgacgt gcgcctcaac 300
ggctcggcag ccagccatgt cctgcaccag gacagcggcc tgggctacaa ggacctggac 360
ctcatcttct gcgccgacct gcgcggggaa ggggagtttc agactgtgaa ggacgtcgtg 420
ctggactgcc tgttggactt cttacccgag ggggtgaaca aagagaagat cacaccactc 480
acgntcaagg aagcttatgt gcagaaaatg gttaaagtgt gcaa 524

<210> 351
<211> 352
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)

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<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c


<400> 351
gccaaatcct ttgaatactg ngccaggatt tttaagcaac actttatgga cagcagaata 60
ccttgcttaa tcgtagctgc aaagtcagac ctgcatgaag ttaaacaaga atacagtatt 120
tcacctactg atttctgcag gaaacacaaa atgcctccac cacaagcctt cacttgcaat 180
actgctgatg cccccagtaa ggatatcttt ggtaaattga caacaatggc catgtatccc 240
catgcccggt tacgctgtat ntgcacctgc aacaggtgta cattttgcat ntgtnaaaac 300
ttcctcaact tatactttgc tgcaaatntg gtaaaagaac aaaaatcntt tc        352


<210> 352
<211> 632
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c


<220>
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```
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c


<400> 352
agnnaganac caaccctcac taaagggaac aaaagctgga gctccaccgc ggtgcggccg 60
ctctagaact agtggatccc ccgggctgca ggaattcggc acgaggtgtg tcagaacaat 120
cttgaatcat gaagctacta accagagccg gctctttctc gagattttat tccctcaaag 180
ttgcccccaa agttaaagcc acagctgcgc ctgcaggagc accgccacaa cctcaggacc 240
ttgagtttac caagttacca aatggcttgg tgattgcttc tttggaaaac tattctcctg 300
tatcaagaat tggtttgttc attaaagcag gcagtagata tgaggacttc agcaatttag 360
gaaccaccca tttgctgcgt cttacatcca gtctgacgac aaaaggagct tcatctttca 420
agataacccg tggaattgaa gcagttggtg gcaaattaag tgtgaccgca acaagggaaa 480
acatggctta tactgtggaa tgcctgcggg gtgatgttga tattctaatg gagttcctgc 540
tcaatgtcac cacagcacca gaatttcgtc gttgggaagt agctgacctt cagcctcagc 600
taaagattga caaagctgtg gcctttcaga at                                  632


<210> 353
<211> 440
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c


<400> 353
ctttaactcc accattagca cccaaagcta agattctaat ttaaactatt ctctgttctt 60
tcatggggaa gcagatttgg gtaccaccca agtattgact cacccatcaa caaccgctat 120
gtatttcgta cattactgcc agccaccatg aatattgtac ggtaccataa atacttgacc 180
acctgtagta cataaaaacc caatccacat caaaaccccc tccccatgct tacaagcaag 240
tacagcaatc aaccctcaac tatcacacat caactgcaac tccaaagcca cccctcaccc 300
actaggatac caacaaacct acccaccctt aacagtacat agtacataaa gccatttacc 360
gtacatagca cattacagtc aaatcccttc tcgtccccat ggatgacccc cctcagatag 420
gggtcccttg accancatcc                                                440


<210> 354
<211> 609
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<400> 354
aancnganac naaccctcac taaagggaac aaaagctgga gctccaccgc ggtgcggccg 60
ctctagaact agtggatccc ccgggctgca ggaattcggc acgagccgga gggtgtgtgt 120
tgggcaaagc cggaggagna ggaggacgat tgttttacgg atcccgtgat cggcccgtcc 180
ttctcccctt tcccccctcc ctaccgcccc tgtcccgccg gggagcggcg gcggccttgg 240
actttgctgt ctttcctcgc ggagacagat ttcaacacta cacttgcaca atgtctttga 300
aaccaagagt agtagatttt gatgaaacat ggaacaaact tttgacgaca ataaaagccg 360
tggtcatgtt ggaatacgtc gaaagagcaa catggaatga ccgtttctca gatatctatg 420
ctttatgtgt ggcctatcct gaaccccttg gagaaagact ttatacagaa actaagattt 480
ttttggaaaa tcatgttcgg catttgcata agagagtttt ggagtcagaa gaacaagtac 540
ttgttatgta tcataggtac tgggaagaat acagcaaggg tgcagactat atggactgct 600
tatataggt                                                        609
```

```
<210> 355
<211> 466
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g., or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

```
<222> (451)
<223> n equals a,t,g, or c

<400> 355
gctccattat tgatcggttc atgcagaata attgtgtgcc caagaagatg ctgcagctgg 60
ttggtgtcac tgccatgttt attgcaagca aatatgaaga aatgtaccct ccagaaattg 120
gtgactttgc ttttgtgact gacaacactt atactaagca ccaaatcaga cagatggaaa 180
tgaagattct aagagcttta aactttggtc tgggtcggcc tctacctttg cacttccttc 240
ggagagcatc taagattgga gaggttgatg tcgagcagca tactttggcc aaatacctga 300
tggaactaac tatgttggac tatgacatgg tgcactttcc tccttctnaa attgcagcag 360
gagctttntg cttagcactg aaaattctgg gataatggtg aatggttatg cagcacctgg 420
ctaagaatgt agtcatgggt aaatcaaggn nttacaaagc acatgc                466
```

```
<210> 356
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<400> 356
ggtgatgagg aggcttgtcc agaggacaag ggaccccagg acccacaggc actggcgctg 60
gacacccaga tccctgcaac ccctggaccc aaacccctgg tccgcaccag ccgggagcca 120
```

```
gggaaggacg tcacgacctc agggtactcc tccgtcagca ccgcaagtcc cacaagctcc 180
gtggacggtg gcttgggggc cctgccccaa cctacctcag tgctgtccct ggacagtgac 240
tcgcacacac agccctgcca ccatcaggnc aggaagtcat gtttacagtg tcgtcccgca 300
agtcccccgg agagcagtgt tccccagcaa caggtgaagc ggataaacta tgcatacaca 360
gtgaagagga ggacntgaan ctgggcttgt gaagctgtaa gtgtgtcagc acatttgcgc 420
agtggatttt actgangggn tgaagng                                       447
```

```
<210> 357
<211> 510
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (496)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c


<400> 357
tnccacgcgt ccgcccacgc gtccgcccac gcgtccgcag attccctccg tcgccgccaa 60
gatgatgtgc ggggcgccct ccgccacgca gccggccacc gccgagaccc agcacatcgc 120
cgaccaggtg aggtcccagc ttgaagagaa agaaaacaag aagttccctg tgtttaaggc 180
cgtgtcattc aagagccagg tggtcgcggg gacaaactac ttcatcaagg tgcacgtcgg 240
cgacgaggac ttcgtacacc tgcgagtgtt ccaatctctc cctcatgaaa acaagccctt 300
gaccttatct aactaccaga ccaacaaagc caagcatgat gagctgacct atttctgatc 360
ctgactttgg acaaggccct tcagccagaa gactgacaaa gtcatcctcc gtctaccaga 420
gcgtgcactt gtgatcctaa aataagcttc atntccgggc tgtgcccctt ggggtggaag 480
```

```
gggcangatt ntgcanctgn ttttgcattt                                   510
```

```
<210> 358
<211> 240
<212> DNA
<213> Homo sapiens

<400> 358
ggtcttgcac tcatgagctg tccccacatt aggcttaaaa acagatgcaa ttcccggacg 60
tctaaaccaa accactttca ccgctacacg accgggggta tactacggtc aatgctctga 120
aatctgtgga gcaaaccaca gtttcatgcc catcgtccta gaattaattc ccctaaaaat 180
ctttgaaata gggcccgtat ttaccctata gcaccccctc tacctcctct agagccaaaa 240
```

```
<210> 359
<211> 340
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<400> 359
ggcacgagct cataaggaaa tctacccta tgtcatccag gaacttagac caactttaaa 60
tgaactggga atctccactc cggaggaact gggccttgac aaagtgtaaa ccgcatggat 120
gggcttcccc aaggatttat tgacattgct acttgagtgt gaacagttac ctggaaatac 180
tgatgataac atattacctt atttgaacaa gttttccttt attgagtacc aagccatgta 240
atggtaactt ggactttaat aaaaaggaaa tgagtttgaa ccggaaaaaa aaaaaaaaaa 300
aaaaaaaaaa aaaagaaaan aaagaaggga nagnnaanaa                       340
```

```
<210> 360
<211> 501
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>
```

```
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c


<220>.
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c


<400> 360
cccacgcgtc cgcccacgcg tccgatgcct atcatatagt aaaacccagc ccatgacccc 60
taacaggggc cctctcagcc ctcctaatga cctccggcct agccatgtga tttcacttcc 120
actccataaa gctcctcata ctaaggnnta ctaaccaaca cactaaccat ataccaatga 180
tggcgcgatg tnacacgaag aaagcacata ccaagggcac cacacaccac ctgtccaaaa 240
angncttcga tacgggataa tcctatttat tacctcagaa gttttttct tcgcaggatt 300
ttctgagctt ttacactcca gcctagccct accccccaact aagaaggnac tggccccaac 360
aagnatcacc cgctaaatcc ctanaatcca ctcctaaaca ctccgtatat cgatcaggat 420
atcatcactg actcacatat ctaatagaaa aaacngaaac aatantcanc atgnttatta 480
aatttatggt ntctatttac c                                        501


<210> 361
<211> 393
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c


<220>
```

```
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c


<400> 361
gccccattat tcctagaacc aggcgacctg cgactccttg acgttgacaa tcgagtagta 60
ctcccgattg aagcccccat tcgtataata attacatcac aagacgtctt gcactcatga 120
gctgtcccca cattaggctt aaaaacagat gcaattcccg gacgtctaaa ccaaaccact 180
ttcaccgcta cacgaccggg ggtatactac ggtcaatgct ctgaaatctg tggagcaaac 240
cacagtttca tgcccatcgt cctagaatta attcccctaa aaatctttga aatagggccc 300
gtatttaccc tatagcaccc cctctacccc ctctagagcc aaaaaaaaaa aaaaagntnc 360
aagnttnaaa aaactgaaaa tcagaaaagn ttt                            393


<210> 362
<211> 664
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (535)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (551)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (567)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (642)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (660)
```

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (662)
<223> n equals a,t,g, or c

<400> 362
gagtaggtct acaagacgct acttcccta tcatagaaga gcttatcacc tttcatgatc 60
acgccctcat aatcattttc cttatctgct tcctagtcct gtatgccctt ttcctaacac 120
tcacaacaaa actaactaat actaacatct cagacgctca ggaaatagaa accgtctgaa 180
ctatcctgcc cgcatcatcc tagtcctcat cgccctccca tccctacgca tcctttacat 240
aacagacgag gtcaacgatc cctcccttac catcaaatca attggccacc aatggtactg 300
aacctacnaa gtacaccgac tacggcggac taatcttcaa ctcctacata cttccccatt 360
attcctagaa ccaggcgacc tgcgactcct tgacgttgac aatcgagtag tactcccgat 420
tgaagccccc attcgtataa taattacatc acaagacgtc ttgcactcat gagctgtccc 480
cacattaggc ttaaaaacag atgcaattcc ccgacgtcta aaccaaacca ctttnaccgg 540
tacacgaacc ngggtatta ctacggncaa tgctctgaaa tctggggagc aaaaccacag 600
gttcatgccc atcgtcctag aaataaattc ccctaaaaat cnttgaaaaa aggggcccgn 660
antt   664

<210> 363
<211> 595
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (467)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (485)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (515)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (552)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (557)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (559)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (568)
<223> n equals a,t,g, or c

<400> 363
gcgcaagtag gtctacaaga cgctacttcc cctatcatag aagagcttat cacctttcat 60
gatcacgccc tcataatcat tttccttatc tgcttcctag tcctgtatgc ccttttccta 120
acactcacaa caaaactaac taatactaac atctcagacg ctcaggaaat agaaaccgtc 180
tgaactatcc tgcccgccat catcctagtc ctcatcgccc tcccatccct acgcatcctt 240
tacataacag acgaggtcaa cgatccctcc cttaccatca aatcaattgg ccaccaatgg 300
tactgaacct acgagtacac cgactacggc ggactaatct tcaactccta catacttccc 360
ccattattcc tagaaccagg cgacctgcga ctccttgacg tttgacaatc gagtagtact 420
cccgattgaa gcccccattc gtataataat tacatcacaa gacgtnnttg cactcatgag 480
ctgtncccac attaagctta aaaacagatg cattnccgga cgtctaaacc aaaccacttt 540
caccgataca cnaaccngng ggtatacnac cggtcaatgc ttctgaaatc ttgtg 595

<210> 364
<211> 441
<212> DNA
<213> Homo sapiens

<400> 364
acaagacgct acttccccta tcatagaaga gcttatcacc tttcatgatc acgccctcat 60
aatcattttc cttatctgct tcctagtcct gtatgccctt ttcctaacac tcacaacaaa 120
actaactaat actaacatct cagacgctca ggaaatagaa accgtctgaa ctatcctgcc 180
cgccatcatc ctagtcctca tcgccctccc atccctacgc atcctttaca taacagacga 240
ggtcaacgat ccctcccttt accatcaaat caattgggcc accaatggta ctgaacctac 300
gagtacaccg actacggcgg actaatcttc aactcctaca tacttccccc attattccta 360
gaaccaggcg acctgcgact ccttgacgtt gacaatcgag tagtactccc gattgaagcc 420
cccattcgta taataattaa c 441

<210> 365
<211> 367
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

```
<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<400> 365
catacttccc ccattattcc tagaaccagg cgacctgcga ctccttgacg ttgacaatcg 60
agtagtactc ccgattgaag cccccattcg tataataatt acatcacaag acgtcttgca 120
ctcatgagct gtccccacat taggcttaaa aacagatgca attcccggac gtctaaacca 180
aaccactttc accgctacac gaccgggggt atactacggt caatgctctg aaatctgtgg 240
agcaaaccac agtttcatgc ccatcgtcct agaattaatt cccctaaaaa tctttggaaa 300
tagggcccgt atttaccta tagcacccccc tctacccccct ctagagncaa aaaaaaaaaa 360
annagnn                                                        367

<210> 366
<211> 460
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
```

```
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c


<400> 366
ttttcgaggc caacgatccc tcccttacca tcaaatcaat tggccaccaa nggtaccgaa 60
```

```
cctacgagta caccgactac ggcggactaa tcttcaactc ctacatactt cccccattat 120
tcctagaacc aggcgacctg cgactccttg acgntgacaa tcgagtagta ctcccgattg 180
aaaccccat  tcggataata attacataca nggacgtctt gcactcatga gctgccccac 240
attaggctta aaaacagatg caattcccgg acgtctaaac caaaccacta tcaccgctac 300
acgaccgggg gtatactacg gncaatgctc tgaaanctgn ggagcaaacc acagnntcat 360
gcccatcggc ctagaatnaa ttcccctaaa aatctttgaa atagggcccg nantnaccct 420
atagcacccc ctctaccccc tctagagcca aanaaaaaaa                        460
```

```
<210> 367
<211> 610
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<400> 367
gcaagntgac acnaaccctc actaaaggga acaaaagctg gagctccacc gcggtgcggc 60
cgctctagaa ctagtggatc ccccgggctg caggaattcg gcacgaggga atggcggctt 120
ccatctctga ggcgagcgac gctatggatc ccacagtggt ttgctaagaa ggccattttc 180
aactctccac tggaggctgc tatggcgttc cctcacctgc agcagcccag ctttctactg 240
gctagcctga aagctgactc tataaataag ccctttgcac agcagtgcca agacttggtt 300
aaagtcattg aggactttcc agcaaagtct gaaccaatca gagtccttgt gactggagca 360
gctggtcaaa ttgcatattc actgctgtac agtattggaa atggatctgt ctttggtaaa 420
gatcagatgt catcgcaaca gataaagaag acgttgcctt caaagacctg ggatgtggcc 480
attcttgtgg gctccatgcc aagaagggaa ggcatggaga gaaaagattt actgaaagca 540
aatgtgaaaa tcttcaaatc ccagggtgca gccttagata aatacggcaa gaagtcagtt 600
aaaggttatt                                                        610
```

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<210> 368
<211> 548
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (528)
<223> n equals a,t,g, or c


<400> 368
ggcacgagga gcactctatt tattgtactg tgaataatga tgaaggagag tggagtggcc 60
caccacctga atgcagagga aaatctctaa cttccaaggt cccaccaaca gttcagaaac 120
ctaccacagt aaatgttcca actacagaag tctcaccaac ttctcagaaa accaccacaa 180
aaaccaccac accaaatgct caaggtacag agactccatc agttcttcaa aaacacacca 240
cagaaaatgt ttcagctaca agaaccccac caactcctca gaaacccacc acagtaaatg 300
tcccagctac aatagtcaca ccaacacctc agaaacccac cacattaatg ttccagttac 360
aggagtctcn tcaacacntc aagncacacc tagtaatgtt tcagttacag gncctaccac 420
ttttcgganc ccaccggggc aatgttcgnc accattcccg cgcgttcggc ntttctttca 480
aaaccttttn caagnccttt tgcgttagat cctgtggcat gttttgtnca cggcccttac 540
ggccaggt                                                          548
```

```
<210> 369
<211> 538
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (521)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (531)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (538)
<223> n equals a,t,g, or c

<400> 369
gatggcgcgg anccgggacg cgcgtacgcc ctgctgcttc tcctgatctg ctttaacgtt 60
ggaagtggac ttcacttaca ggtcttaagc acaagaaatg aaaataagct gcttcctaaa 120
catcctcatt tagtgcggca aaagcgcgcc tggatcaccg cccccgtggc tcttcgggag 180
ggagaggatc tgtccaagaa gaatccaatt gccaagatac attctgatct tgcagaagaa 240
agaggactca aaattactta caaatacact ggaaaaggga ttacagagcc accttttggt 300
atatttgtct ttaacaaaga tactggagaa ctgaatgtta ccagcattct tgatcgagaa 360
gaaacaccat tttttctgct aacaggttta cgctttggat gcaagaggga acaatgtaga 420
ganacccttt agagctacgc attaagggnt cttgatatcc aattgncaac ggaaccagtg 480
gttcacacag ggatgtcttt gttggggcct gttgaagagt ngaggtgcag nacatacn 538
```

<210> 370
<211> 538
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (536)
<223> n equals a,t,g, or c

<400> 370
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gagctcagtc cccatcccga agcacagggc aggacgtcgc ggcggagtgg ggaagcgagg 60
agtccgtggc cgggagcttg gaggctgagt ttgagaaagc tgcagaggag gttaggcacc 120
ttaagaccaa gccatcggat gaggagatgc tgttcatcta tggccactac aaacaagcaa 180
ctgtgggcga cataaataca gaacggcccg ggatgttgga cttcacgggc aaggccaagt 240
gggatgcctg gaatgagctg aaagggactt ccaaggaaga tgccatgaaa gcttacatca 300
acaaagtaga agagctaaag aaaaaatacg ggatatgaga gactggattt ggttactgtg 360
ccatgtgttt atcctaaact gagacaatgc cttgtttttt nctaataccg tggatggtgg 420
gaatccggga aaataaccag ttaaaccagc tactcaaggc tgctcaccat acggctctaa 480
cagattaggg gntaaaacgn ttactgactt ccttgagtag ttttacctga aaccantt   538
```

<210> 371
<211> 224
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c
```

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<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c


<400> 371
gcctgtgcct acacaccacc ntcgcngaaa gctgtgcagc gcattgcnga gtctcaccng 60
cagtctanca gcaatttgaa tgagaaccan gcctcagagg aggagganga gcnggggggag 120
ctncgggagc tgggttatcc nagagaggaa gatgaggagg aagaggagga ngatgaagaa 180
gaggaagact angaggacag ccangctgaa gaccngagcg gaga                  224


<210> 372
<211> 459
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c


<400> 372
aacttnccca atgccgaact gggaggcccc tttaaccaga tgaacggagt gnccggaaat 60
ggcatgaaca acattgacat gactggagan aagaagtcgt tgganctccc atatcccagc 120
agctttgctc ccgtctctnn acctagaaac cagaccttca cttacatggg caagtnctcc 180
attgaccctc agtaccctgg tgccagcngc tacccagaag gcataatcaa tattgtgagt 240
gcaggcatct tgcaaggggt cacttcccca gcttcaacca cagcctcatc cagcgtcacc 300
tctgcctccc ccaacccact ggccacanga cccctgggtg tgtgcaccat gtcccagacc 360
cagcctgacc tggaccacct gtactctccg ccancgcctc ctcctcctta ttctggctgt 420
gcaggaganc tctaccagga cccttctgcg ttcctgtta                        459


<210> 373
<211> 422
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c


<220>
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```
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

```
<222> (393)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c


<400> 373
ggcagacctg aggcccatcc ccaaggngcc cagccgtagc ttcaggntct ccgccagggn 60
ccctcncggn tgcttctngt ttttaanact tccagatcga tcctntcctc ggtaccgtgg 120
gctttgggtc tggcctccac gggtgggcct tcaccctgaa agcagtttgc cgagaatgta 180
tgtgagccaa gttcgccgcc aaggggagg gccagttggg agcctgccga gcgggccaag 240
aaagtagagg acatgatgaa gaagctntgg ggtgacaggt gagccccggg gaatatggtg 300
ggggattcct gaaaactggg ggtagtggca ncaacgtagg ggcgtggtgt nctattcana 360
attggttcaa gcccacaagt tttgcccaaa atnttccctt ngggaccaac ttcccaagta 420
at                                                                 422


<210> 374
<211> 342
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (292)
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```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<400> 374
gcanaacatc agcgcnnacn gganataaaa agattatcca cagagcattc cagtgtatca 60
gagtatcatc cagccgatgg ctatgcgttc agtagcaaca tttacacaag aggatcccac 120
ctggaccaag gggaagctgc tgttgctttt aagccaactt ctaatcgcca tattagattg 180
aaattatgaa ccactccaaa acacaaccca agaaatatgc ccaatcccag ttatgacttt 240
gtttgccagg ggaaacaaca gttgagctct ccgggttcct taaggaatga tntttttaga 300
naatnccttg aaatgaatcg gaaancatgg tngaaaaagt tt                   342

<210> 375
<211> 387
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
```

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<221> misc feature
<222> (335)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c


<400> 375
ggcagagctc tgcgcgcant ccgcttgact cagctcaccg agattctgtc aggggggtgtt 60
tatattgaga agaacgataa gctttgtcac atggacacaa ttgactggag ggacatcgtg 120
agggaccgag atgctgagat agtggtgaag gacaatggca gnaagctgtc ccccctgtca 180
tgaggtttgc aaggggcgat gctggggtcc tggatcagaa gactgccaga cattgaccaa 240
gaccatctgt gcttcctcag tgtaattggt cactgctttg gggcccaacc ccaaccagtg 300
gttgncatga tgagtgtggc cggggggttgt ttcanggccc cttcagggac acagactgtt 360
tttgnntggc cggnatttca atggaca                                    387


<210> 376
<211> 492
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (333)
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```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<400> 376
ggcacgagaa gcaaactcaa agcatttggg tcaaaacatc ctgattgttt tatacatggt 60
ttggatgata aattcagtaa agatacaggc ataatcctta tatgcaaatn agttgatggg 120
tattttctat ggtgatttca gacaaggaac ctgcaggtca ctctggaaga tggttacatt 180
gaattgagca ccagcgatag ggncggccca atttttaaat ctccacagac gtatatggat 240
ggtttactgc attatgtatc tgtaataagc gacaactctg ggtgagtcga ataaatactt 300
ctgtcagagc tgtgagtnga gttttactct ctnttngttt taatggaatt ttctggtgtc 360
tttttgcaaa aaatttgtcc ttgattacca aaaatacttt cactnataag tcttgncctt 420
ctttcctttt ttcccatatn caantttnct tcataaaaaa aataaacttg ccacacatgg 480
gtgggcttca tt 492

<210> 377
<211> 336
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
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<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c
```

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<400> 377
gacngtaccg tcccnaatcc cgggtcgacc cacgcntccg aagcagcagt tagcccgccg 60
cccgcntgtn tgtccccaga gccatggaga gagccagtct gatccagaag gccaanctgg 120
cagagcaggc cgaacgctat gaggacatgg cagccttcat ganaggcgcc gtggagaagg 180
gcgaggagtc tcctgcnaag agcgaaacct gctctcagta gcctatnana ncgtggtggg 240
cggccagang gctgcctgga gggtgctgtc cagtattgan cagaaaagca angaggaggg 300
gttcgganag gagaaggggc ccgangtgcg ttgaat   336

<210> 378
<211> 488
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature

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<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<400> 378
cngtcagtna cggtaccggn aattcccggg tgcgnaccca cgncgtgccg ccgagaccgc 60
tgccttgctc ggaaggggggc gagcggctgc tgcccaccca gaagcagccc gggggcggcc 120
aggtcaactc cagccgctac aagacggagc tgtgccgccc ctttgaggaa aacggtgcct 180
gtaagtacgg ggacaagtgc cagttcgcac acggcatcca cgagctccgc agcctgaccc 240
gccaccccaa gtacaagacg gagctgtgcc gcaccttcca caccatcggc ttttgcccct 300
acgggccccg ctgccacttc atccacaacg ctgaagagcg ccgtgccctg gccggggccc 360
gggacctctc cgctgaccgt ccccgcctcc agcatagctt tagtttgctg ggtttcccag 420
tgccgctgcc accgccgctg ccaccgggct gctggacagc ccacgtccat caacccaacc 480
cctatttt                                                             488

<210> 379
<211> 398
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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```
<222> (385)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c


<400> 379
ggcacgaggg ggcctcccgc tgtggccacc tctgccgcgg ccgcgncgcc gcgtcctacc 60
ctgccctccg tgcctctctg ctgccgcagt cgctggcggc ggcggccgcg ttcccgacgc 120
gcantaacag ccaggagtcc aaaactactt acctggaaga ccttccacca ccccctgagt 180
atgaattggc cccgtccaag ttagaagagg aagtggatga tgtctttctc attcgagctc 240
aaggactgcc ctgggtcatg gcactatggg aagatgtggc tttaactttt tttttccaga 300
cttgcagaat ccggcaacgg ttgagtaatg ggaattacat tttnctccct aaaaacaaga 360
gatgggggaa aacgtaaggg ggtnnntggc cttnaatt                        398


<210> 380
<211> 455
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c
```

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<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<400> 380
atgccatggt gcggctggtc aagtgcgacg tctacccctg ccccaacaca gtggactgct 60
tcgtgtcccg ccccaccgag aaaaccgtct tcaccgtctt catgctagct gcctctggca 120
tctgcatcat cctcaatgtg gccgaggtgg tgtacctcat catccgggcc tgtgcccgcc 180
gagcccagcg ccgctccaat ccaccttccc gcaagggctc gggcttcggc caccgcctct 240
cacctgaata caagcagaat gagatcaaca agctgctgag tgagcaggat ggctccctga 300
aagacatact gcgcncaacc ctggcacggg ggctgggctg gctgaaaaaa acgaccgtgc 360
tcggntgtga tgccacatac caggcaacct cccatcccac cccgaccttg cctgggcgaa 420
nccctccttc tccctgccgg tncccanngg ctcac 455
```

```
<210> 381
<211> 421
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c


<400> 381
ntnngcgnct gcaggtcgaa cantagtgga tccaaagaat tcggcacgag tgggaacgag 60
gggtgaagcg gcccaggtga ggctcgccat ggccaaacag ctgcaggccc gaagctagac 120
gggatcgact acaacccctg ggtggagttt gtgaantggc cagtgagcat gacgtcgtga 180
acttgggcca nggcttcccg gatttcccac caccagactt tgccgtggaa gcctttcagc 240
acgctgtcag tggagacttc atgcttaacc agtacaccaa gacatttggt tacccaccac 300
tggacgagga tcctggcaat ttctttgggg gagctgctgg gtcaaggata agacccgttc 360
agggatgtgc tggtgactgt tggtggntat gggggccngt ttcaaaagcn ttnccaggcc 420
n                                                                 421


<210> 382
<211> 545
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c


<220>
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<221> misc feature
<222> (14)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (505)
<223> n equals a,t,g, or c


<400> 382
aaggnagaca caancctcac taaagggaac aaaagctgga gctccaccgc ggtgcgnccg 60
ctctagaact agtggatccc ccgggctgca ggaattcggc acgagcggcg gcggcggcgg 120
cggcccagtc ggtgtatgcc ttctcggcgc gcccgctggc cggcgggggag cctgtgagcc 180
tgggctccct gcggggcaag gtactactta tcgagaatgt ggcgtccctc tgaggcacca 240
cggtccggga ctacacccag atgaacgagc tgcagcggcg cctcggaccc cggggcctgg 300
tggtgctcgg cttcccgtgc aaccagtttg ggcatcagga gaacgccaag aacgaagaga 360
ttctgaattc cctcaagtac gtccggcctg gtggtgggtt cgagcccaac ttcatgctct 420
tcgagaagtg cgaggtgaac ggtgcggggg cgcaccctct cttcgncttc ctgcgggagg 480
ccctgccagc tcccagcgac gacgncaccg cgcttatgac cgaccccaag ctcatcacct 540
ggtct                                                                       545


<210> 383
<211> 375
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c


<400> 383
gctttcattg ccaagtcctt ctatgacctc agtgccatca gcctggatgg ggagaaagta 60
gatttcaata cgtctcgggg cagggccgtg ctgattgaga atgtggcttc gctctgaggc 120
acaaccaccc gggacttcac ccagctcaac gagctgcaat gccgctttcc caggcgcctg 180
gtggtccttg ggcttccctt gcaaccaatt tgggacatca gganaactgt caaaatgagg 240
anatcctgaa cagtctcaat tatnttccgt cctggggtgg gnataccaac ccccccttccc 300
cctttttcca aaaattttaa ggttaaatng gcnaaaaaaa acatcctntt tttccccta 360
ccttaaanga aaaac                                               375


<210> 384
<211> 530
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c


<220>
<221> misc feature
```

```
<222> (361)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (515)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (529)
<223> n equals a,t,g, or c


<400> 384
gctcgtgccg tgagacacaa ccacccggga cttcacccag ctcaacgagc tgcaatgccg 60
ctttcccagg cgcctggtgg tccttggctt cccttgcaac caatttggac atcagagcag 120
```

```
gagagacaga agtagcaaac cctctttcga gatgtccctc cagccccaga agtacctnca 180
gcctcacacc atctcttcag cctagcaagt tgctggaggg agtctataac ctaccaggag 240
ccagccagcc atttgtatca agaaatagaa atctgcaggg tacagtggct cacacctata 300
atcccagcgc tttgggaggc taagttctag gacaaaggca aggaagaaaa gcangaactt 360
naaaatccaa ttccttttgg gncttnaaat ttaaccttca agttcaaggg agctnaagta 420
aggcanaagg ccaaanggct ttttacttna acaacaacgg tgccaatttg gaaaggcaag 480
gccaaggcaa aaaacccagg ggcaagaagg aaaangggaa aaggggntnt        530
```

```
<210> 385
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (351)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<400> 385
cacactcaag ttctttcctg ccagtgccga caggacggtc atcgattaca acggggaacg 60
cacgctggat ggttttaaga aattcctgga gagcggtggc caggatgggg caggggatga 120
tgacgatctc gaggacctgg aagaagcaga ngagccagac atggaggaag acgatgatca 180
gaaagctgtg aaagatgaac tgtaatacgc aaagccagac ccgggcgctg ccgagacccc 240
tcggggggct gcacaaccag cagcagcgca aggcttccga gccttgnggg ctcggtttga 300
aaagaagggn tngccgggaa acccagggna actctctnga agttganact ncanccctag 360
aaaacgtccg ttnaaccccg ttnctttctt ctgcttttcg ggttttggga aaagggattc 420
atttccaggc aggccaanct tgttggggnn tgttcctgaa accat               465

<210> 386
<211> 733
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (606)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (621)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (689)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (703)
<223> n equals a,t,g, or c

<400> 386
gcggtgatca tggggggcccc gggctcgggc aagggcaccg tgtcgtcgcg catcactaca 60
cacttcgagc tgaagcacct ctccagcggg gacctgctcc gggacaacat gctgcggggc 120
acagaaattg gcgtgttagc caaggctttc attgaccaag ggaaactcat cccagatgat 180
gtcatgactc ggctggccct tcatgagctg aaaaatctca cccagtatag ctggctgttg 240
gatggttttc caaggacact tccacaggca gaagccctag atagagctta tcagatcgac 300
acagtgatta acctgaatgt gcccttttgag gtcattaaac aacgccttac tgctcgctgg 360
attcatcccg ccagtggccg agtctataac attgaattca accctcccaa aactgtgggc 420
attgatgacc tgactgggga gcctctcatt cagcgtgagg atgataaacc agagacggtt 480
atcaagagac taaaggctta tgaagaccaa acaaagccag tcctggaata ttaccagaaa 540
aaaggggtgc tggaaacatt ctccggaaca gaaaccaaca agatttggcc ctatgtatat 600
gctttnctac aactaaagtt ncacaaagaa gccagaaagc tttaattact tcatgaggag 660
aaatgtgtgt aactattaat agtaagaang gcaaaccttc tantccttgg atttaaaact 720
ggttttctaa aac                                                     733

<210> 387
<211> 180
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<400> 387
nctttnatct ntgaagtgga tctacaatgg cttcagcagt gtnctccagt tcctaggact 60
ntacaagaaa tctggaaaac ttgtattctt caggcttggt taatgtcagg caaaaccact 120
gtngttgcac atngcttcaa aggtgcgcag ntngtgggnc aacattgttt cccaacactt 180

<210> 388
<211> 428
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
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```
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

```
<222> (418)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c


<400> 388
gggaacagta agaccgagga ccagcgcaac gaggagaagg cgcacgtgna ggccaacaaa 60
aagatcgaga agcagctgca gaangacaan caggtctacc gggccacgca ccgcctgctg 120
ctgctgggtg ctggagaatc tggtaaaagc accattgtga agcagatgag gatcctgcat 180
gttaatgggt ttaatgnaga cagtgagaag gcaaccaaag tgcaggacat caaaaacaac 240
ctgaaagagg cgattgaaac cantgtggcc gccatgagca acctnngtgc cccccgtgga 300
gctggncaac cccgagaaac cagttcagag tggactacat cctggagtgt tatgaacgtg 360
cctggntttt gacttccctc cggattctat gagcnggcaa ggtctgtgga ggtnaagntt 420
ctgctgna                                                          428


<210> 389
<211> 454
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (287)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<400> 389
acccacgcgt ccgcccacgc gtcccgagct caaagacctc caggagcccc aggagcccag 60
ggttgggaaa ctcaggaact ttgcacccat ccctggtgaa cctgtggttc ccatcctctg 120
tagcaacccg aactttccag aagaactcaa gcctctctgc aagagcccaa tgcccaggag 180
```

```
ntanttcaga ggctggagga aatcgctgna ggacccgggg cacatgtgga aatctgtgcn 240
tacgctggcc tgtaccggat gctaaggggg cttgccactg gcnggcntcc cntccgcagc 300
aggggaagnc ttttcntcnt gcagaaaggg ccacccatga tattccattc cccagcagtt 360
caactaacnt ggttccattc gggaaggagc agccgggggaa gnattgggtt gattggaagg 420
cttngnccca aatggtnctt tccctggcaa tttt                             454
```

<210> 390
<211> 553
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<400> 390
```
gcaaganaaa attaccctca ctaaaggggnn caaaagctgg agctccaccg cggtgcgncc 60
gctctagaac tagtggntcc cccgggctgc aggaattcgg cacgagcagg gacgctaaga 120
ttgctacctg gactttcgtt gaccatgctg tcccgggtgg tactttccgc cgccgccaca 180
gcgcccctc tctgaagaat gcagccttcc taggtccagg gaccctatgt actcggaact 240
```

```
gggcttatct tgtacgcttt atccaaagaa atatatgtga ttagcgcaga gaccttcact 300
gccctatcag tactaggtgt aatggtctat ggaattaaaa aatatggtcc ctttgttgca 360
gactttgctg ataaactcaa tgagcaaaaa cttgcccaac tagaagaggc gaanagngct 420
tccatccaac acatccagaa tgcaattgat acggagaagt cacaacaggc actggttcag 480
aagcgccatt acctttttgg atgtgcaaag gaataacatt gctatggctt tggaagttac 540
ttacccggga acg                                                   553
```

<210> 391
<211> 632
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (586)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (613)
<223> n equals a,t,g, or c

<400> 391
```
cagtttcgaa antaaccctc actaaaggga acaaaagctg gagctccacc gcggtgcggc 60
cgctctagaa ctagtggatc ccccgggctg caggaattcg gcacgaggtc ctgtgcggtc 120
acttagccaa gatgcctgag gaaacccaga cccaagacca accgatggag gaggaggagg 180
ttgagacgtt cgcctttcag gcagaaattg cccagttgat gtcattgatc atcaatactt 240
tctactcgaa caaagagatc tttctgagag agctcatttc aaattcatca gatgcattgg 300
acaaaatccg gtatgaaagc ttgacagatc ccagtaaatt agactctggg aaagagctgc 360
atattaacct tataccgaac aaacaagatc gaactctcac tattgtggat actggaattg 420
gaatgaccaa ggctgacttg atcaataacc ttggtactat cgccaagtct gggaccaaag 480
cgttcatgga agctttgcag gctggtgcag atatctctat gattggccag ttcggtgttg 540
gtttttattc tgcttatttg gttgctgaga aagtaactgt gatcancaaa cataacgatg 600
atgagcagta cgnttgggag tcctcagcag gg                              632
```

<210> 392
<211> 600
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>

```
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (518)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (571)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (572)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (587)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (590)
<223> n equals a,t,g, or c


<400> 392
gctcanatct gccttctgga gactgcgccg tcctcccggg agagccagaa agaggacatg 60
gctgctgggc agcgggaagc gaggccccag gtgtcactga cattcgagga cgtggctgtg 120
ctctttacct gggatgagtg gagaaagctg gctccttctc anagaaactt gtaccgggat 180
gtgatgctgg agaactatag gaacctggtc tcactgggac tctcatttac caaaccaaaa 240
gtcatctccc tgttgcagca aggagaagat ccctgggagg tggagaaaga cagttctggt 300
gtctcctctc taggatgtaa gagcacacct aaaatgacaa agtcaactca aactcaggat 360
tcatttcagg agcagataag gaaaagattg aaaagggatg aaccctggaa cttcatatca 420
gaaagatcct gcatatatga agagaaatta aagaaacagc aggacaaaaa tgaaaattta 480
caaataattt cagttgccca tacaaaaatc cttactgnag atagaagcca taaaaatgtt 540
gaatttgccc aaaacttcta cctgaaatca nncttcatta agcaccngan aattgcctaa 600


<210> 393
<211> 531
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c

<220>
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```
<221> misc feature
<222> (512)
<223> n equals a,t,g, or c

<400> 393
tgcagctctt ttcattttgc catccttttc cagctccatg atggttctgc aggtttctgc 60
ggnccccccg dacagtggct ctgacggcgt tactgatggt gctgctcaca tctgtggttc 120
cagggcaggg ccactccaga gaattacctt ttccagggac ggcaggaatg ctacgcgttt 180
aatggtaaca gccagaagga catcctggag gagaaagcgg gcagtgccgg aacaggatgt 240
gcagacacaa cttacggagc tgggcgngcc catggaccct gcagcgccga gttccagcct 300
agggtggaat gttttccccc tccaagtagg gggcccttgg cagcaacaca anctgcttgt 360
ttggccaagt gacggntttt tacccaggca gcannggtan tcctgtcaac tggattggag 420
gcacatttga ttttgcccgg ttagacatga nggggttggg ttcngttggt naaatntggg 480
ttgggaattt taatgaaaaa gggggcaaa gnaattttaa aggggggttt t          531
```

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<210> 394
<211> 404
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<400> 394
gggactctaa ttctgtaata tatcaaggaa tctcgtaaaa ccgacactaa aacgtccctg 60
cctacaaatc atccggccaa attatgagtt cattgtatta tgcgaatgct ttattttcta 120
aatatccagc ctcaagttcg gttttcgcta ccggagcctt cccagaacaa acttcttgtg 180
cgtttgcttc caacccccag cgcccgggct atggagcggg ttcgggcgct tccttcgccg 240
cctcgatgca gggcttgtac cccggcggng ggggcatggc gggccagagc gcggncggcg 300
tctacgcggc cggctatggg ctcgagccgn gttccttcaa catgcactgc cgcccctttg 360
agcagaaacc tctccggggt gngcccnggn gaattccgnc aagg             404
```

```
<210> 395
<211> 499
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (112)
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```
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c


<220>
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<222> (172)
<223> n equals a,t,g, or c


<220>
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<222> (211)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (484)
<223> n equals a,t,g, or c


<400> 395
ggcacgaggn gcggcgggtc tggagccccc atcctcctgc ggcagatgtt cgagcctgta 60
agctgcacct tcacgtacct gctgggtgnn agngngtncc gggaggccgt tntgntcgnn 120
ccagncctgg aaacagcgcc tcgggatgnc cagctgatca aggagctggg gnttcggctg 180
ctctatgctg gcgttggaga ccagggccag ncctggccac aantnaggct gtgtcacctt 240
cgttctgaat gaccacagca tggccttcac tggagatgcc ctgttgatcc gtgggtgtng 300
gcggacagac tttcagcaag gctgttgcca agaccttgta accattcggt ccatgaaaag 360
atctttcaaa atttccagga gactgtcttg atctaacctg gttcaaggtt accatggggt 420
ttaaantgtt caacgtggag gnngnggagg actttnaaa cccttggttn aaccttnaat 480
tttnaggagt ttttcaaaa 499
```

```
<210> 396
<211> 526
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (502)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (508)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (519)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (523)
<223> n equals a,t,g, or c

<400> 396
ggtccccgtc acgctgactt tccgtgcagt gctgtggtgc gaaaatgcct cgccgctcct 60
ggtagacgaa gaggaagaca aacctacagt cgcttccaaa ctctagagtt ggaaaaggaa 120
tttcttttta acccctatct gaccaggaaa agaagaatcg aggtttccca cgccctagcc 180
ctcaccgaga gacaggtaaa aatctggttc cagaacagga gaatgaaatg gaaaaaggaa 240
aacaacaagg acaaatttcc cgtttcccgg caggaggtga aggacgggga aacgaaaaag 300
gaagcccaag agctggagga agacagagcc gaaggcctga caaattaact tctacctta 360
aaatttacca cagactatta aaactaataa tcaccatatg ctgtggacac cacctatttt 420
ctttggtgga aaggacctta cctgngtttc aagctacctt catgtcactg gtcttgaggg 480
tttctgggct tttgagaggg antttggngg tttaaaaang ttntag               526

<210> 397
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c
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```
<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<400> 397
gcccacgcgt ccgggtgctc cttacctccc cggtggtcgg gcgcgaatta ctggaaattg 60
gcttttcccg ttggggccga agtaccttcc ctgnggcggc gactcagcgg ggtgtcgttc 120
ggccggcgtg acgcagccgg atcggcgcca gacggaaacc tagcggtgac tgtatctgaa 180
ttttgcagct gcagaatgtg tagtacctta aaaggttggc aacaatgagt aaaccagaat 240
taaaggaaga caagatgctg gaggttcact ttgtgggaga tgatgatgtt cttaatcaca 300
ttctagatag agaaggagga gctaaattga agaaggagcg agcgcacttt tggtcaaccc 360
caaaaaaata ataaagaagc cagaatatga tttggaggaa gatgaccagg aggtcttaaa 420
agatcagaac tatgtggaaa ttn                                         443


<210> 398
<211> 652
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (383)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (549)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (579)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (594)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (606)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (620)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (639)
<223> n equals a,t,g, or c


<400> 398
gcccacgcgt ccgnanacgc ntccgtttgg nccaagatgg catggaatga ggaaggcgct 60
tccntggnga ctggtggnct tggcgtcnct ncgggctgtn agnacctcat ntatgngcac 120
tttaccaaag cggntgaaaa ttgtggaagt tggtccccga gatggactac aaaatgaaaa 180
gaatatcgta tctactccag tgaaaatcaa gctgatagac atgctttctg aagcaggact 240
ctctgttata gaaaccacca nctttgagtc tcctaagtgg gttccccaga tgggtgacca 300
cactgaagtc ttgaagggca ttcanaagtt tcctggcatc aactacccag tcctgacccc 360
```

```
aaatttgaaa ggcttcgagg cancggnacc atgactnctg tgaggatgca gcactccctg 420
gcaggtcaga cctatgccgt gcccttcatc cagccagacc tgcggcgaga ggaggccgtc 480
cagcagatgg cggatgccct gcagtacctg cagaaggctc tggagacatc ttcagcaagt 540
gggtgctgnc actcaccccc acctgatgag agggccatnc ctgtctgggc aatnccagca 600
acacancctt tgggagcaan cccctggggg aatcccggnc tggggaaccc at          652
```

```
<210> 399
<211> 341
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c


<400> 399
ggcacgagag gacctggata aagcacttct aaaggcctnt caggacatgt tcgacaagaa 60
aaccaaggct tcccttacc tctncactca caatgggaac atgtacacct catccctgta 120
cgggtgcctg gcctcgnttc tgtcccacca ctntgcccaa gaactggctg gctccaggat 180
tggtgccttc tcttatggct ctggtttagc agcaagtttc ttttcatttc gagtatcccg 240
```

```
tctaaaggtg ttctgcagat ccatggaaag cttctgggaa acgtatgcta gcagagcttc 300
tncccgtgan tcatatttt aagatcccac tnttagctgg a                     341
```

```
<210> 400
<211> 604
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (484)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (502)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (509)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (559)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (593)
<223> n equals a,t,g, or c

<400> 400
gcctccgcat aggcctgcgt cagattaaaa cactgaactg acaattaaca gcccaatatc 60
tacaatcaac caacaagtca ttattaccct cactgtcaac ccaacacagg catgctcata 120
aggaaaggtt aaaaaaagta aaaggaactc ggcaaatctt accccgcctg tttaccaaaa 180
acatcacctc tagcatcacc agtattagag gcaccgcctg cccagtgaca catgtttaac 240
ggccgcggta ccctaaccgt gcaaaggtag cataatcact tgttccttaa atagggacct 300
gtatgaatgg cttcacgagg gttcagctgt ctcttacttt taaccagtga aattgacctg 360
cccgtgaaga ggcggcatga cacagcaaga cnaagaagac cctatgagc tttaatttat 420
taatgcaaac agtacctaca aacccacagg tcctaactac caaacctgca ttaaaaaatt 480
cggntggggc gacctcggac anaaccaanc tccagcagta catgctaaac ttaccagcaa 540
acgactatat ctaattganc atacttgaca aggacaagta cctaggaaca ggnaatcttt 600
ttaa                                                             604
```

```
<210> 401
<211> 519
<212> DNA
<213> Homo sapiens

<400> 401
cataatcact tgttccttaa ttagggacct .gtatgaatgg ctccacgagg gttcagctgt 60
ctcttacttt taaccagtga aattgacctg cccgtgaaga ggcgggcata acacagcaag 120
acgagaagac cctatggagc tttaatttat taatgcaaac agtacctaac aaacccacag 180
gtcctaaact accaaacctg gcattaaaaa tttcggttgg ggcgacctcg gagcagaacc 240
caacctccga gcagtacatg ctaagacttc accagtcaaa gcgaactact atactcaatt 300
gatccaataa cttgaccaac ggaacaagtt accctaggga taacagcgca atcctattct 360
agagtccata tcaacaatag ggtttacgac ctcgatgttg gatcaggaca tcccgatggt 420
gcagccgcta ttaaaggttc gtttgttcaa cgattaaagt cctacgtgat ctgagttcag 480
accggagtaa tccaggtcgg tttctatcta ctttcaaat                        519

<210> 402
<211> 265
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c
```

```
<400> 402
gctgccagta gcatatgctt gtntcaaaga ttaagccatg catgtctaag tacgcacggc 60
cggtacagtg aaactgcgaa tggctcatta aatcagttat ggttcctttg gtcgctcgct 120
cctctcctac ttggataact gtggtaattc tagagctaat acatgccgac gggcgctgac 180
cccttcgcg ggggggatgc gtgcatttat canatcanaa ccaacccggt cancccctct 240
ccggccccgg ccggngggcg gcgnc                                     265


<210> 403
<211> 325
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c


<400> 403
gcaggtactt ggttctccag tgggagctgc cctctcgaag gcaggacagc ggtggcggca 60
gatataaaga cctgaagata gtcttttctg tccaaagatg gaaaacagta ctactaccat 120
ttctcgggag gagcttnnag aactacaaga ggcatttaat aaaatagata tnnacaatag 180
tgggtatgtc agtgactatn aacttcaaga cctgtttaag gaagcaagcc ttcctctgcc 240
tggctacaag gtgcgcgaga ttntggagaa aattctatca gttgctgaca gcaacaaaga 300
tggcaaaatc aattttgaag agttt                                     325


<210> 404
```

```
<211> 540
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (537)
<223> n equals a,t,g, or c

<400> 404
ataactatat ctttcttcct ctgtctccgc ccacccacat ttttctcttt cccttttctct 60
ctttggggac cctcccccat gctcccctgc cccatccct tttccccttc ccgtcttctc 120
atccctccat tcccatcttt ccccagcaat taccagctct ggctgggtcg ccacaacttg 180
tttgacgacg aaaacacagc ccagtttgtt catgtcagtg agagcttccc acaccctggc 240
ttcaacatga gcctcctgga gaaccacacc cgccaagcag acgaggacta cagccacgac 300
ctcatgctgc tccgcctgac agagcctgct gataccatca cagacgctgt gaaggtcggg 360
aagttgccca cccaggaacc cgaagtgggg gagcacctgg ttggcttccg gctggggcaa 420
gcattgaacc agaagaattt cttaatttca gaagatcttc aaatggtgng ganccttcaa 480
aaatcctgnc taaaggaata aatggcgaaa aaagcccaac gttcanaaag gtggacngga 540

<210> 405
<211> 319
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
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```
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c


<400> 405
ctgcnccgcc gcgggcccca gctgcgcgct gaaggccggc aagacagcga gcggtgcggg 60
cgaggtggtg cgctgtctgt ctgagcagag cgtnggccat ctcgcgctgc gccggggggcc 120
cggggcgcgc ctgcctgccc tgctggacga gcagcaggta aacgtgctgc tctacgacat 180
gaacggctgt tactcacgcc tcaaggagct ggtgcccacc ctgccccaga accgcaagtg 240
aagcaaggtg gagattttcc agcacgtcat cgactacatc agggacttta atttgnantt 300
naatcggant ccnaatttg                                             319


<210> 406
<211> 355
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<400> 406
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ggcanaggtn cagctgaccc tgncggncac acagtgccca nagggnaagt ccgtaanatg 60
ccacgtgaaa gcactacacg attccnagcc aggatgtaac tgtgcccctg cccagttccc 120
ncancttccc catgctgcca ncccngattn tggctgaaac gaccggccct ngaggacctg 180
gtcttaggtt cagaagcgaa gcatcacgtg acacantgac cggcctgaga gaatgcctct 240
ggtgaccact ntnacctggg acgccnttaa agtgggaaga gcnctgtttc aaggaccacc 300
tggngcgtga cctgtgtggg nttgntacag gtgttccagt gtgctgactg gttgt    355
```

<210> 407
<211> 437
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

```
<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<400> 407
ggcanagcac aagcccagca acaccaaggt ggacaagaga gttgagtcca aatatggtcc 60
cccatgccca tcatgcccag cacctgaatt tcctgggggg accatcagtn ttcctgttcc 120
ccccaaaacc caaggacact ctcatgaatc tcccggaccc ctgaaggtca cgtgcgtggt 180
ggtggacgtg aagccaggga agaccccgag gtccagttca actggtacgt ggatggcgtg 240
gaggtgcata atgccaagac aaagccgcgg gnggagcagt tcaacagcac gtaccngtgg 300
ttcagcgtcc ttcaccgtcc tgcaccagga tggcttgaac ggcaagggag ttacaagtgg 360
caaggttttn caacaaaggg cttcccgtnc ttccttgggg aaaacctttt tncaaaggcc 420
aaggggcagn cccgngg                                                  437

<210> 408
<211> 310
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<400> 408
gggggatatt gtagtggtgg tagctgctct aatttctact tctaccacat ggacgtctgg 60
ggcgaaagga ccacggtcac cgtctcctca gcctccacca anggcccatc ggtcttcccc 120
ctggcgccct gctccangaa cacctccgaa aacacagcgg ccctgggctg cctggtcaag 180
gactacttcc ccgaaaccgg tgacggtgtc ttggaactca gggggctctg accagcgggg 240
tgcacacctt cccagctgtc ctacagtcct caggaancta ctccctcanc accntggnga 300
cgntgcctcc                                                      310
```

```
<210> 409
<211> 421
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (382)
```

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<400> 409
gctcagttag gacccatacg gaaccatgga agccccagcg cagcttctct tnctcctgct 60
actctggctc ccanatacca ctggagaaat actgatgacg cagtctccag ccaccctgtc 120
tgtgtctcca ggggaaagag tcaccctctc ctgcagggcc gggcagagtg tttacagcaa 180
cttagcctgg tatcagcaga aacctggcca ggctcccagg ctcctcatgt atggntcatc 240
caccanggcc actgatgtcc cagtcaggtt cagtggcant gggtctggga cagagttcac 300
tctcaccatc agcagcctgc agtctgacga ttctgcagtc tatttntgtc agcagtatat 360
tatgtggcct ggaaccttcg gncnagggac caaggggggaa atcanacgaa ctggggntgc 420
a   421

<210> 410
<211> 448
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

```
<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c


<400> 410
gtacggcnng ntnntttcgg gtcgaccgcg ccttccgcgg acgcgtgggt tcggacgcgt 60
gggcggacgc gtggggccga ggctgccaag atgcttggag aagcactgag caagaaccct 120
ggctacatca aacttcgcaa gattcgagca gcccagaata tctccaagac gatcgccaca 180
tcacagaatc gtatctatct cacagctgac aaccttgtgc tgaacctaca ggatgaaagt 240
ttcaccaggg gaagtgacag cctcatcaag ggtaagaaat gagcctagtc accaagaact 300
ccaccccccag aggaagtgga tctgcttctc cagttttgga gnaccaccag gggtccagaa 360
nagccctacc ccgccccatt atcntgcaat ggtccccaca ccgggttccc tgaaccctct 420
nggnttaagg aaaatgaaaa tanccctt                                     448


<210> 411
<211> 141
<212> DNA
<213> Homo sapiens
```

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<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c


<400> 411
gattgatctc atgtgcaaga aaatgaagca cctgtggttc ttcctcctgc tggtggcagt 60
ctcccanatg cgtcctgtcc caggtgcagc tgcangagtc ngggccagga ctggtgaagn 120
cttcggagac cctgtccntc a                                           141


<210> 412
<211> 473
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c


<220>
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```
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c


<400> 412
ggaaaggagc cccagccctg agattcccag gtgtttccat tcggtgatca gcactgaaca 60
cagaactcac catggagttt ggactgagct gggttttcct tgttgttatt ttaaaaggtg 120
tccagtgtga agtgcagctg gtggagtctg ggggagccgt agtacagcct gggggggtccc 180
ttagactctc ctgtgaagcc tctggattca cctttgacaa ttatgccatg cactgggtcc 240
gtcaagctcc ggngaagggt ctggagtggg tctgtctcat cagtcgggat ggtcgtaaga 300
catattttgc agactctatg aagggtcggt tcaccatctc cagagacaac agcaaaaact 360
gcctgtatct ccaagtgaac agtctgagag ttgaggacac cgncttgtat tactgtgcaa 420
aagatatccc ggggtcgtcg gtatggacgt ctggggtaaa nggacaccng nna         473


<210> 413
<211> 328
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c


<220>
<221> misc feature
```

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<222> (241)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c


<400> 413
ggtcctggac tccaaggcct ttccacttgg tgatcagcac tgagcacaga ggactcacca 60
tggaattggg gctgagctgg gttttccttg ttgctatttt agaaggtgtc cagtgtgagg 120
tgcagctggt ggagtctggg ggaggcttgg tccaagccgg gggggtccct gagactctcc 180
tgngcannct ctggcttccc cctttataac catgggatga cctgggtncg ccaggctcca 240
nngaaggggc tggaatgggt ggccaccata cagtgagatg aaactganaa atactatgtg 300
gactctgtga agggccgatt caccatct                                      328


<210> 414
<211> 575
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (511)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (539)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (544)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (573)
<223> n equals a,t,g, or c


<400> 414
ggccgtgaga ttcncaggag tttccacttg gtgatcagca ctgaacacag accaccaacc 60
atggagtttg ggcctagctg ggttttcctt gttgctattt taaaaggtgt ccactgtgag 120
gtgcagctgg tggagtctgg gggaggcttg gtacagccag ggcggtccct gagactctcc 180
tgtacaactt ctggattcac ctttggagat tattctatga gctgggtccg ccaggctcca 240
gggaaggggc tggagtgggt aggtttcatt agaagcaaag cgcatggtgg gacaacagaa 300
tacgccgcgt ctgtgaaaag gcagattcac catctcaaag agatgattcc acaggcatcg 360
nctatctggc aaatgaacag cctgaaaccg aggacacaga cattattact gtctagacat 420
gactacaggc acacccctgg ctactggggg cagggaaccc tggtcaccgn cttctctggc 480
ttccaccaag ggccatcgtc ttccccctgg ngcccttgtt ccaggancac ttccgaaanc 540
cagnggcctg ggcttgctgg gcaagggctc ttncc                            575


<210> 415
<211> 438
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (201)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c


<220>
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```
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c


<400> 415
gtccagtgtg aggtgcagct ggtggagtct gggggangct tggtacagcc tgggggggtct 60
ctganactct cctgtgcagc ctctggattc accttcagta gttangacat gcattgggtc 120
cgccaagttg caggaaaang tctggaatgg gtctcangta ttgatcctgc tggtaacaca 180
aactatccan gctccgtgaa nggccgattc atcatctcca gagaaaatga caagagctcc 240
tcgtatcttc aaaatgaatg ggctgacanc cggggaaaac ngtgtgtaat attgtnnaaa 300
nanaaattgc anttcctggt aantgggtan ntncgatctc ttggggccgn nggaancctt 360
ggttaaatgt nttcctcaag aattncccga accaagnccc caaaggtttt tcccgcttaa 420
ancctttgaa aaagaaac                                                 438


<210> 416
<211> 502
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c


<220>
<221> misc feature
```

```
<222> (367)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c


<400> 416
ggcacgagca acgctggcaa tnataacaca aaatattcac agaagttnca ggacagagtc 60
accattacca gggacacatc cacgaacaca gcctacatgg atctnagcag cctgagatct 120
gaagacacgg ctgtntatta ttgtncgagg ggattttttg gggaccgtga ttactactac 180
tactactaca tggacgtctg gggcaaaggg accacggtca ccgtctcctc agcatccccg 240
accagcccca aggtcttccc gctgagcctc tgcagcaccc agccagatgg gaacgtggtc 300
atcgcctgct tngtccaggg cttcttcccc caggagccac ttcagtgtgg acctggagcg 360
aaagggnaca gggcgtgacc gccagaaaat tcccacccag ccaggatgcc tccgggggac 420
ctgtacanca cgagcagcca gctgaccctg ncggncacaa gtgccttagc cggnaagttn 480
cgttgacatt gccacgtgga ag                                         502


<210> 417
<211> 427
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c


<220>
<221> misc feature
```

```
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<400> 417
gatcatgagt atctatgtga attggtatcg gcagaaagca ggaaaagccc ctgagctcct 60
gatccacggt ggcatccagc ttacaaagtg gagtccccgg aaggttcagt ggcaggggga 120
tctgggacag atttcactct caccattagc agtctgcaac ctgaagattt tggcacttac 180
ttctgtcaac agaattacaa tgtcccgtgg aacgttcggc caggggaacn aangtggaaa 240
atgaaaccga actgtggctg caccatctgt cttcatcttc ccgccatctg atgagcagtt 300
gaaatctgga actgcctctg ttgtnttgcc tgctgaataa cttctatccc anaaaaggcc 360
aanttcattg gaaggtggat aacccccncc atcggttact cccggaaaat ntcccaaacc 420
ggacgcn                                                          427

<210> 418
<211> 308
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (126)
```

```
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c


<400> 418
gctccaactc tggcaacaca gccactttga ccatcagcgg gactcaggct atggatgagg 60
ctgactatta ctgtcaggcg tgggacagta gcgctgtggt cttcggcgga gggaccaggc 120
tgaccntcct angtcagccc aaggctgccc cctcggtcac tctgttcccg ccctcctctg 180
angagcttca agccaacaag gccacactgg tgtgtctcat aaatgacttc tacccgggaa 240
gccgtgacag tggnctggaa angcagatan caaccccgtt cnaggcggaa ttgggganaaa 300
caaccaca                                                        308


<210> 419
<211> 482
<212> DNA
<213> Homo sapiens


<220>
```

```
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c


<400> 419
tcgacccacg cgtccgcagc tgtgggcaca agaggcagca ctcaggacaa tctccagcat 60
ggcctggtct cctctcctcc tcactctcct cgctcactgc acagggtcct gggcccagtc 120
tgtgctgacg cagccgccct cagtgtctgg ggccccaggg cagagggtca ccatctcctg 180
cactgggagc agctccaaca tcggggcagg ttatgatgta cactggtacc agcagcttcc 240
aggaacagcc cccaaagtcc tcatctatgg taacagcaat cggccctcag gggtccctga 300
ccgattctct ggctccaagt ctggcacctc agcctccctg gccatcactg ggctccaggc 360
tgaagatgan gttgattatt actgccagtc ctatgacagc agcctgggtg gttcggtgtt 420
cggcggaagg accaagctga ncgtcctang tcagcccaaa gntgcccct cggtaactct 480
gt                                                                482


<210> 420
<211> 462
<212> DNA
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<222> (85)
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<220>
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<222> (110)
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<220>
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<222> (438)
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<220>
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<220>
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<222> (452)
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<222> (456)
<223> n equals a,t,g, or c


<220>
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<222> (459)
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<400> 420
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tcactgtgca nggtcctggg cccannctgt gctgactcan ccaccctcan cgtctgggac 120
ccccgggcag agggtcacca tctcttgttc tggaagcagc tccaacatcg gaactaatta 180
tgtatactgg taccagcagc tcccaggaac ggccccccgaa gtcctcatct ataagaatga 240
tcagcggccc tcaggggtcc ctgaccgatt ctctggctcc aagtctggca cctcagcctc 300
cctggccatc ggtgggctcc ggtccgagga tgaggctgat tattactgtg catcatggga 360
tgacagcctg agtggtccgg tcttcggcgg agggaccaag ctgaccgtct tgggtcagcc 420
caaggctgcc ccctcggnca ctctgntccc gnectnctnt ga              462


<210> 421
<211> 435
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<212> DNA
<213> Homo sapiens

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<220>
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<222> (351)
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<220>
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<222> (391)
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<220>
<221> misc feature
<222> (416)
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<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
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<222> (431)
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<400> 421
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ctttctgcac agcggaagag aggccaggcc cctgtggtgg tcatctatga ggacaacaaa 120
cgaccctccg ggatccctga gagattctct ggctccacct cagggacatt ggccaccgtg 180
attatcagtg gggcccaggt ggacgatgat actgacttct actgtcagtc aacacacagt 240
agtaataatg gtaggtccgt atgtcttcgg aactgggacc aaggtcaccg tccttggtca 300
gcccaaggcc aaccccaatg tcantctgtt cccggcctcc tctgaaggag nttcaagcca 360
aacaaaggca cactaagtgt gtctgatcag ngagttttaa ccgggaagtg tgaaantggg 420
ctnggaagca nattg                                                  435

<210> 422
<211> 334
<212> DNA
<213> Homo sapiens

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<222> (11)
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<222> (101)
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<223> n equals a,t,g, or c


<220>
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<222> (135)
<223> n equals a,t,g, or c


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<222> (145)
<223> n equals a,t,g, or c


<220>
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<222> (310)
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<220>
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<222> (323)
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<220>
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<222> (324)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c


<400> 422
gcagaactct nggtgtctca ccatggcctg gatccctcta cttctccccc tcctcactct 60
ctgcacagac tctgaggcct cccatgaatt gagacaacca ntttcggtgt cagtgtcccc 120
angacagacg gccangatca cctgntctgg agatgcattg ccagaacaat ctattttttg 180
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gtatcaacag aagccaggcc aggcccctgt attggtgatt tataaagtcc atgagaggcc 240
gtcagatgcc ctgaacgatt ctctggctcc aggtcacaga caacagtcac gttgaccatc 300
agtggagccn aggcaaaaa atnngngggg ngtg                                 334
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<210> 423
<211> 597
<212> DNA
<213> Homo sapiens

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<222> (1)
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<221> misc feature
<222> (8)
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<222> (26)
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<222> (61)
<223> n equals a,t,g, or c

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<222> (81)
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<222> (115)
<223> n equals a,t,g, or c

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<222> (117)
<223> n equals a,t,g, or c

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<220>
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<222> (176)
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<222> (199)
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<220>
<221> misc feature
<222> (201)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
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<220>
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<222> (209)
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<220>
<221> misc feature
<222> (217)
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<223> n equals a,t,g, or c


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<222> (230)
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<220>
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<222> (257)
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<222> (259)
<223> n equals a,t,g, or c


<220>
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<222> (272)
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<221> misc feature
<222> (277)
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<222> (333)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c


<220>
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<222> (393)
<223> n equals a,t,g, or c


<220>
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<222> (412)
<223> n equals a,t,g, or c
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<222> (413)
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<220>
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<222> (414)
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<222> (492)
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<222> (513)
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<220>
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<222> (550)
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<220>
<221> misc feature
<222> (552)
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<220>
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<222> (580)
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<400> 423
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nggtggcggc cgctctagaa ntactggatc ccccgggttg cccgggttcg gcgananngg 120
acaatntagg cnatgtaggg tctggtcccc caaatccaga tctgtcgnaa acantnttgg 180
atcaatacnt tgccatggnc ncanaaaanc atgggtncaa catggaacan gctcttggga 240
tgctcttctg gcataancnt aatatccaaa antcatnggc tgatttgccc aacttnaccc 300
ctttcccaga taagtggact gtggaagata aantcttatt tgancaagcc tttacttttc 360
atgggaaaac ttttcataca atccaaccaa tgnttccaca taaatctata gnnngtctgg 420
tgaaatntta ctattcttgg aaaaaagacg aagactnaaa ctattgtgat ggatcgccat 480
gccccggaaa cnaaacggga cgggaagaga ncnacgatga actggaacaa gcaaatggaa 540
caatcccatn gnacttgaag ttggatccaa accaagaaan ccaaagggaa gtcccct   597

<210> 424
<211> 143
<212> DNA
<213> Homo sapiens

<220>
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<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<400> 424
gaacacatat aagagcaaaa tctggatcgg caggtgttac anacacaatg tatacgactg 60
gaggcccggt actacagcct cagcctgacg gnacancanc tctcccacat cgtggcggag 120
ttgaggaacc ngaaacanaa aat   143

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<210> 425
<211> 323
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<400> 425
gggcagngga gctctattgc caccatgagt ttctccggca agtaccaact gccagagcca 60
ggaaaacttt gaagccttca tgaaggcaat cggtctgccg gaagagctca tccagaaggg 120
gaaggatatc aaggggggtgt cggaaatcgt gcagaatggg aagcacttca agttcaccat 180
caccgctggg tccaaagtga tccaaaacga attcacggtg ggggaggaat gtgagctgga 240
gacaatgaca ggggagaaag tcaagacagt ggttcagttg gaaggtgaca ntaaactggt 300
gacaactttc aaaaacatca agt                                        323

<210> 426
<211> 683
<212> DNA
<213> Homo sapiens

<220>
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<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
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<222> (112)
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<220>
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<222> (129)
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<223> n equals a,t,g, or c

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<222> (136)
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<220>
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<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
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<222> (188)
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<220>
<221> misc feature
<222> (195)
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<223> n equals a,t,g, or c

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<221> misc feature
<222> (206)
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<221> misc feature
<222> (232)
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<220>
<221> misc feature
<222> (234)
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<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

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<220>
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<222> (264)
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<220>
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<222> (275)
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<222> (286)
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<220>
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<222> (291)
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<220>
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<222> (301)
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<220>
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<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
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<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
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<222> (370)
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<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
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<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (418)
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<220>
<221> misc feature
<222> (487)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (536)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (558)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (578)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (601)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (607)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (633)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (648)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (662)
<223> n equals a,t,g, or c

<400> 426
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gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
aaaaaaaaaa aaaaaaaang ggcggccgtt ttanaggatc caagnttacg tncncgtgcn 120
tgcnacgtna tagntnttnt atagggtcac ctaaattnaa ttnactggcc gtcgttttac 180
aacgtcgnga ctggnaaaac cctggngtta cccaacttaa tcgccttgca gnanatcccc 240
ntttcgccag ntggcgtaat ancnaaaagg cccgnaccga tcgccnttcc naacagttgc 300
ncagcctgaa tggcaaatgg gacncnccct gtagcggngc attaagcncg gcgggtgtgg 360
gggttacccn cagcgtgacc gttacanttg ccagngccnt agcgcccgnt cctttcgntt 420
tcttcccttc cttttcgcc acgttcgccg gttttccccg taaagcttta aatgggggc 480
tcccttnagg gttccgattt agggctttac gggaccttga ccccaaaaaa ctttgnttag 540
ggggatggtt cacgtagngg ggccattgcc cttgatanac gggttttttcg ccctttttgac 600
nttggantcc cacgttttt aaatagggg gcntttttgt tccaaaantg gggaacaaac 660
antttaaccc cttttttttgg ggg                                       683
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<210> 427
<211> 369
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c


<400> 427
tgggcctgag atgcaggtaa aactgctcca gtccctgggc ctgaaatcaa ccctcatcac 60
cgatggctcc actcccatca acctcttcaa cacagccttt gggctgctgg ggatggggcc 120
cgagggtcca gcccctgggc agaaaggttg gcattgggcc cagccctgga agggggatat 180
cccccagtc ttgctcaagc ccctcaagct cctggaaaac accactttgt gcctgttctg 240
cgcttactcc tgattaatac aatgaatttt cttgggcatt ttacaatttc caacacttta 300
aaaaaaaaaa aaaaaaattc aangggggg ccggttncca attncccnn ttttatttct 360
tttaaaatc                                                        369
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<210> 428
<211> 299
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<400> 428
ncctaatctc ggaatcctaa gtggtcgcct gaggaccggc cggaattccc gggcacccac 60
gcgtcggcgg tagctgctnt tcctggggcc cgtgggcctc atcatgtacc tcggggggcgt 120
nttcttcatc aaccggcagc gctctagcac tgccatgaca gtgatggccg acctgggcga 180
gcgcatggtc agggagaacc tcaaagtgtg gatctatccc gagggtactc gcaacgacaa 240
tggggacctg ctgccttta agaagggcgc cttctacctg gcagtccagg cacangtgc 299

<210> 429
<211> 538
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (482)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (484)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (498)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (529)
<223> n equals a,t,g, or c

<400> 429
gaagcagaga tctgaagaca gcatgtacac agccattccc cagagtggct ctccattccc 60
aggctcagtg caggatccag gcctgcatgt gtggcgggtg gagaagctga agccggtgcc 120
tgtngcgcaa ganaaccagg gcatcttctt ctcggggggac tcctacctag tgctgcacaa 180
tggcccagaa gaggtttccc atctgcacct caacacactg ctgggagagc ggcctgtgca 240
gcaccgcgag gtaaggggca atgagtctga cctcttcatg agctacttcc cacggggctt 300
caagtaccag gaaggtggtt tggantcagc atttcacaag acttccacag gagccccagt 360
tgccatcaag aaantntacc aggtgaaggg gaanaanaaa tccgtccaac gagngggcat 420
gaattgggaa anttnaaatn ggggttgttt acctggaatn ggcaaaaatt tnnctggttt 480
gngnaatcaa atttgganna aaagggggga ttgcctggat cgggatttnc aaggaagc   538

<210> 430
<211> 552
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (505)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (508)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (523)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (535)
<223> n equals a,t,g, or c


<400> 430
gcggacacgg acaggattga cagattgata gctctttctc gattccgtgg gtggtggtgc 60
atggccgttc ttagttggtg gagcgatttg tctggttaat tccgataacg aacgagactc 120
tggcatgcta actagttacg cgaccccga gcggtcggcg tcccccaact tcttagaggg 180
acaagtggcg ttcagccacc cgagattgag caataacagg tctgtgatgc ccttagatgt 240
ccggggctgc acgcgcgcta cactgactgg ctcagcgtgt gcctaccta cgccggcagg 300
cgcgggtaac ccgttgaacc ccattcgtga tggggatcgg ggattgcaat tattccccat 360
gaacgaggaa ttcccagtaa gtgcgggtca taagcttgcg ttgattaagt ccctgcccct 420
tcaacccttc tggnccttcg gaccactgng acttttccat ctttcttaaa cggaggctgg 480
gccttggggg gggggctggc ctggnttntg ttgnccccaa ganggtgctt tcaanggtga 540
ggaacttttt tt                                                     552


<210> 431
<211> 218
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (31)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
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<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
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<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c
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<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<400> 431
cccccggcct gcaggaaatt cgagcagagt ncacanngag ggnaccaccg tcctgntctn 60
ccagttcggg ttgaatgcaa gtnctagccg atttttccta caannantcc agttgattac 120
aattcttcct gtacgncaga ganccctgcc tttaaaagnt gccaacgntt ncctgacgag 180
ncctgcagcc acagtncggc aattcctaca agtgccaa                        218

<210> 432
<211> 610
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (587)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (590)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (592)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (593)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (604)
<223> n equals a,t,g, or c

<400> 432
gcacacccct gggcgtcccc gtcatccagc cgtatcgcct ggactccaag gtcaagcaaa 60
taggaggtgg aattcagagc atcacctaca cccacaacgg agacatcagc cgaaagccca 120
acacacgtaa gcagaagaac ggcttcccgc ccaacttcat ccactcgctg gactcctccc 180
acatgatgct caccgccctg cactgctaca ggaagggcct gaccttcgtc tctgtgcacg 240
actgttactg gactcacgca gctgatgtct ccgtcatgaa ccaggtgtgc cgggagcagt 300
ttgtccgctt gcacagcgag cccatcctgc aggacctgtc cagattcctg gtcaagcggt 360
tctgctctga gccccagaag atcttggagg ccagccagct naaggagaca ctgcaggcgg 420
tgcccaagcc aggggccttc gacctggagc aggtgaagcg ttccacctac ttcttcagct 480
gacaccccgt gagccttgtc agtgtgtaaa taaagctctt ttgccacccc aaaaaaaaaa 540
aaaaaaaact tggggggggg gcccgggacc caattgccct atagggnggn gnnttacaat 600
tcantggccg                                                       610

<210> 433
<211> 328
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
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<223> n equals a,t,g, or c

<400> 433
caaatgtatg gaactaacaa gatggntcca tatcgagatt caaagttaac ccatctgttc 60
aagaactact ttgatgggga aggaaaagtg cggatgatcg tgtatgtgaa ccccaaggct 120
gangattatg nngaaaactt ncaagtcatg agatttgcgg aagtgactca agaagttgaa 180
gtagcaagac ctgtagacaa ggtaatatgt ggtttaacgc cnngnaggag atacagaaac 240
cagnctcgng gtccagttgg aaatgnacca ttgggtactg acgtggtttt ncagagtttt 300
ccacctttgc cgtncatgcg aaattttt                                      328

<210> 434
<211> 535
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (504)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (512)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<400> 434
gggttcgacc cacgcgtccg aggctgaaca ggacagaaag atagaagaag tcagagatgc 60
catggaaaat gaaatnngaa actctctgaa caagaattac aatttcgtcg tctcagtcaa 120
gagcaagttg acaactttac tctggatata aatactgcct atgccagact cagaggaatc 180
gaacaggctg ttcagagcca tgcagttgct gaagaggaag ccagaaaagc ccaccaactc 240
tggctttcag tggaggcatt aaagtacagc atgnaagacc tccatctggc agaaacacct 300
actatcccgc tgggtagtgg cagttgaagc ccatccaaag ccaactgttc nggataatga 360
atttcaccca agctttaacc gcagctattc ccttccagag ttccnggacc cgtggggtgg 420
ttacatggaa gagaacccct agggcccgtt ttcncatggt ggtttccaaa aattgggccc 480
cgagggtagg nccaatggat tggnttggaa ancccgnaat tagcttgtta cccgt   535

<210> 435
<211> 524
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>

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<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (498)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (518)
<223> n equals a,t,g, or c

<400> 435
ccctgctcca ccgtccccgt caccacggag gtttcgtacg ccggctgcac caagaccgtc 60
ctcatgaatc attgctccgg gtcctgcggg acatttgtca tgtactcggn ccaagcccag 120
gccctggacc acagcttnct cctgctgcaa aganganaaa accagccagc gtgaggttgg 180
tcctgagctt gccccaatgg cggctcgctt gacacacacc tacacccaca tcgaaganct 240
gccagtgcca agaacacnnt cntgggggnt tccccaacng gaacttcccg ccggggccgg 300
ggggcttncc ccttagcatc tggaacgtag gtttttnnnn nnnnngnnan aaancccct 360
ttcaattgcc cttcnaaaan ttttacctcc ccccgaacct ctttaaactc cttaaactcg 420
ggttcctctt cttccaaata ttatgttcta attttttttt tcatccctgc tttcccaata 480
taaactcagg gggaaatncn aaaaaaaaaa aaatccangg gggg   524

<210> 436
<211> 384
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)

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<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c


<400> 436
ggcanaggat caggctggag aagtggatca caccttgttg ggacaatgca caggtggcgg 60
ttacttcatg cagttcagna ccagctcggg gtccgcggaa gaggcagccc tactggagtc 120
tcgnattctt tacccaaaga ggaagcagca gtgcctgcaa tttttctata aaatgancgg 180
ggaagtcctt ncagacagac ttcgttgtct gggtncagga ggggatgaca gcacaggcaa 240
tgttcgcaat tggtgaaggt gcagactttt caaggagatg atgaccacaa tttggaaaat 300
tggcccatgt gggtgcttcn aagaggaaca gaatttcggt nacctttttc caggggcaca 360
aaaggnggac cttnagagct tcaa                                       384
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<210> 437
<211> 390
<212> DNA
<213> Homo sapiens

<220>   .
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c   .

<400> 437
cttgctcaat gacgccgtca ctgtggtcct gtatcacctc tttgaggagt ttgccaacta 60
cgaacacgtg ggcatcgtgg acatcttcct cggcttcctg agcttcttcg tggtggccct 120
gggcggggtg cttgtgggcg tggtctacgg ggtcatcgca gccttcacct cccgatttac 180
ctcccacatc cgggtcatcg agccgctctt cgtcttcctc tacagctaca tggcctactt 240
gtcagccgag ctcttccacc tgtcaggcat catggcgctc atagcctcag gagtggtgat 300
gcgnccctat gtgggangcc aacacttcca caagttccca caacaacatc aaataatttc 360
ctggaagatg tnggagcagc gtcannaagn                                 390

<210> 438
<211> 234
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
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<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<400> 438
nccccggact tttagtgtaa ngcncctacc ccctgcaggt accggtncgg aattcccggg 60
tttgactcca cgcgttttgc tncattaaca acataaaacc ctcatggaca cganaaaaca 120
ccctcatgtt catacaccta tcccccattc tcctcctatc cctcaacccc gacatcatta 180
ccgggttttc ctcttaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa      234

<210> 439
<211> 144
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

```
<222> (36)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c


<400> 439
nnctatcgat ggggagcaag agtcttttaa ataagnccat ttnagtccct ggttaacaag 60
ggtttaaagt ggagcgaatg cacatcacag acatgaaatt ggctnacctg cctngcttag 120
aagcccttgg tgttnaggtc aaca                                       144


<210> 440
<211> 411
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (209)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<400> 440
gccaaggtcc accccaactc tgtgcacatc tgtgcggtgg ttgtggagta cgagaccaag 60
gctggccgna tcaacaaggg cgtggncacc aactggctgc gggccaagga gcctgccggg 120
gagaacggcg gncgcgcgct ggtgcccatg ttcgtgcgca agtcccagtt ccgcctgccc 180
ttcaaggcca ccacgcctgt catcatggng ggccccggca ccggggtgtn acccttcata 240
ggcttnatcc aggagcgggc ctggctgcga cagcanggca aggaggtggg ggagacgctg 300
ctgaactacg gctgccgccg ctcggatgag gactacctgn accggnagga gctggcgcag 360
ttccacaggg acggtgcgct cacccagctn aacgtggcct tctnccgggn a        411
```

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<210> 441
<211> 623
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
```

```
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (502)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (504)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (509)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (538)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (560)
<223> n equals a,t,g, or c


<220>
<221> misc feature
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<222> (586)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (587)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (619)
<223> n equals a,t,g, or c

<400> 441
gccagcagnc accacagcgc ctgcttcctc ggccctgaaa tcatgcccct aggtctcctg 60
tggctgggcc tanccctgtt gggggctctg catgcccagg cccaggactc cacctcagac 120
ctgatcccag ccccacctct nagcaaggtc cctctgcagc anaacttcca cgacaaccaa 180
ttccacggga agtggtatgt ggtacgcctg gcacggaatg caattctcag anaacacaaa 240
gacccgcaaa anatgtatgc caccatctat gagctgaagg aaacaaganc tacaatgtcc 300
ctccgcctgt ttaagaaaaa aaaatgtgac tacttggatc aggaattttg gtccaaggtn 360
gccanccggc gaattccacc ttggggacct ttaaaattgc cttggantaa ccaatttcct 420
ccttccaatt gttancacca attacaacng ccttcttttg gttttcttcc anaaaatttc 480
tccaaacaag gaatncttcc ananccccnc ttccggaaaa acaaggaatt aattccgnac 540
ttaaaggaaa aattctccgn tctcccattt cttgggcccc ctaaanncaa attcgtcttc 600
cctttccaa ccaacattnt ttt   623

<210> 442
<211> 211
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<400> 442
tgggcagcca cactgcacgc aggctgggcc gactgagggg ctcagangcc aggctctnag 60
gcccacgcag ggcctanggt gggaagatgg cangtggggg cggcgacctg agcaccagga 120
ngctgaatga ntgtatttca ccagtagcaa atgagatgaa ccatcttcct gcacacancc 180
acgatttgca aaggntgttc acggaanacc a   211

<210> 443
<211> 399
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c


<400> 443
gtctgagtgg atggacactg cctcttagaa ctagaactta gaactttatc ttgaaaatgt 60
accactgttg cagaagctcc tcacagagta tgtgtcaggc atttttaacc tgctaaaggc 120
aagaagaagt gttcaccaca tagttgcaaa ggtcttcaac ttgccacagc caacagaaaa 180
atcaaaatga ttgaaccctt tgggaatcaa gtatattgtg gccaggccag tgtattctac 240
aaatgctttt gaggaaaatc ataaaaagac aggaagacat cataagacat ttctggatca 300
tctcaaagtg tgttgnaact gttccccaca aaaggcaaga gaattgncct ctctttgntt 360
cccatagcat tttggntgcc agcataccgg nttaaagaa                       399


<210> 444
<211> 465
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c


<400> 444
gcgggactcc aaatgggtcg cagtcgcagc cgctctccac ggagggaacg taggcgttcc 60
cggtccacat cccgggagag agaacgcagg cgccgagaaa ggtccaggtc tcgggagaga 120
gatcggagaa ggagccgctc gcgatccccg caccgaagac gctcccgatc tccaagacga 180
catagatcca catctccttc cccttctcga ctgaaagaaa gaagagatga ggaaaagaaa 240
gaaacaaaag aaacaaagag caaagaacgg cagattactg aggaagactt agagggcaaa 300
acagaggaag aaatagaaat gatgaagtta atgggatttg cctcctttga ctccacaaaa 360
ggtaagaagg tggatngctc tgtaaatgcn tatgccataa atgtctctca gaagaggaag 420
tacaggtatg catagccccc atttttgttt gaactaataa atcag           465


<210> 445
<211> 297
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
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<222> (7)
<223> n equals a,t,g, or c

<400> 445
ggcagtntct ctgccaggct ggggatgatt ccaatagtaa taagaagaat gctgacctcc 60
aagtgctaaa gcccgagccc gagctggttt atgaagacct gaggggctca gtgaccttcc 120
actgtgccct gggccctgag gtggcaaacg tggccaaaat tctgtctggc agagagtggg 180
gaaaagacgc ggtttccagc ttgcagattt gttaagtttc tcaggcagat tttgactttc 240
agcctttcat acttgtttaa gcaactattt gtattaaatg aagttttttg aaaaaca   297

<210> 446
<211> 448
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (440)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c


<400> 446
tcgacccacg cgtccgccga nnanagtttg gttttgcgga ttgccaccga tgattccaaa 60
gcagtctgtc gcctcagtgt taaattcggg gccacactca aaatcagcag gcttctcttg 120
gaacgggcga gagagctgaa tattgacatc atcggtgtca gcttccacgt gggaagtggc 180
tgcaccgatc ctggagacct tcgtgcaagc catctccgat gcccgctgtg tcttcgacat 240
ggggagctga ggttggtttc aacatgtatc tgcttgatat cggtggtggg ctttcctggg 300
atctgnagga tgtgaaactt aaatttggaa gagatcacca tgttatcaac ccagccctgg 360
gacaantant tcccgggccg aattcgggcg tggacattca tagccgagcc cgggcaggat 420
aattaagttg gcttncagcn ttcaagcn                                    448


<210> 447
<211> 268
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c


<220>
<221> misc feature
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<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c.

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<400> 447
ggcacgaggn agtgtcccag ncgggttcgt gtcgcnatgg ggnanatcga gtgggccatn 60
tgggccaacg agcaggcgct ggcgtccggc ctaatcctna tcaccggggg catcgtggcc 120
acagctgggc gnttnacccn ntggtacttt ggtgcctant ccattgtggc gggcgtgttt 180
gtntgcctgc tngagtaccc ccgggnaaag aggaagaagg gntccaccat ggtgcgatgg 240
ggncagaagt acatgaccgn cntggtga 268

<210> 448
<211> 425
<212> DNA
<213> Homo sapiens

<400> 448
gacaccttca tccgtcacat cgccctgctg ggctttgaga agcgcttcgt acccagccag 60
cactatgtac atgttcctgg tgaaatggca ggacctgtcg gagaaggtgg tctaccggcg 120
cttcaccgag atctacgagt tccatctccc aagtggtttg acgggcagcg ggccgccgag 180
aaccaccagg gcacacttac cgagtactgc ggcacgctca tgagcctgcc caccaagatc 240
tcccgctgtc cccacctcct cgacttcttc aaggtgcgcc ctgatgacct caagctcccc 300
acggacaacc agacaaaaaa gccagagaca tacttgatgc ccaaagatgg caagagtacc 360
gcgacagaca tcaccggccc catcatcctg cagacgtacc gcgccattgc caactacgag 420
aagac 425

<210> 449
<211> 88
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature

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<222> (26)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c


<400> 449
tcgttgccct gttactgtct gtggnnatgt gcatggtcaa tttcatgatc ttatggaact 60
ctttagaatt ngnggaaaat caccggat                                      88


<210> 450
<211> 214
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c


<400> 450
atctccantg gaaccacgtt gtggcngatg ntggggcttt cctgcggtnc aangagccct 60
taccgganta ngtgnggatg gtgactgant nttcaaataa antacganac tgnnccaacc 120
tctctgccac ggacatccaa ntgcttgcac gcanatacca gttggaagca gagtttgttg 180
gggtgtctca acnaaaagtt gagnnaagca acgt                          214


<210> 451
<211> 473
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c


<400> 451
gcggacgcgt ggggcaagac ttttgcccgg tacctttcat tccggcgtga caacaatgag 60
ctgttgctct tcatactgaa gcagttagtg gcagagcagg tgacatatca gcgcaaccgc 120
tttggggccc agcaggacac tattgaggtc cctgagaagg acttggtgga taaggctcgt 180
cagatcaaca tccacaacct ctctgcattt tatgacagtg agctcttcag gatgaacàag 240
ttcagccacg acctgaaaag gaaaatgatc ctgcagcagt tctgaggccc tatgccatcc 300
ataaggattc cttgggattc tggtttgggg tggtcagtgc cctctgtgct ttatggacac 360
aaaaccagan cacttgatga actcggggta ctagggtcag ggcttatagc aggatgtctg 420
gctgcacctg gcatgactgt ttgnttctcc aacctgcttt gtgcttctna cct        473
```

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<210> 452
<211> 397
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<400> 452
gggtcgaccc acgcgtccgc ccacgctcnc gcttgcttgg acatcaggta ccaactgcac 60
tcgttttggc attgcagcta aatatcagtt ggatcccact gcttccattt ctgcaaaagt 120
caacaactct agcttaattg gagtaggcta tactcagact ctgaggcctg gtgtgaagct 180
tacactctct ggctctggta gatgggaaga gcattaaatg ctggnaggcc acaaggttgg 240
ggctcgccct gggagttggg aggcttaatc cagctgaaag aaacctttgg ggaatgggat 300
atccagaaga tttgggcctt aatataattn ccattgtgga ccagcagcag gcttttttttc 360
cccccaagaa gattgntcca aaccnangnt gatctcc                            397

<210> 453
<211> 463
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<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<400> 453
ggcaagatgg tgttgcagac ccaggtcttc atttctctgt tgctctggat ctctggtgcc 60
tacggggaca tcgtgatgac ccagtctcca gactccctgg ctgtgtctct gggcgagagg 120
gccaccatca actgcaagtc cagccagagt gttttataca gctccaacaa taagaactac 180
ttaacttggt accagcagaa accaggacag cctcctaagc tgctccttta ctgggcatct 240
acccgggaat ccggggtccc tgaccgattc agtggcagcg ggtctgggac agatttcact 300
ctcaccatca gcagnctgca ggctgaagat gtggcagatt attactgtca gcaatattat 360
actactccct ggacgttcgg ccactggacc aangtggaaa tcanacgaaa ctgtggctgc 420
accatntgcc tcatntttcc gccatctggt gancagttga aat                  463

<210> 454
<211> 332
<212> DNA
<213> Homo sapi ns

<220>
<221> misc feature
<222> (95)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<400> 454
tggctcatct tggctgtgat ttcagtatat gatttagtgg ctgttttgtg tccgaaaggt 60
ccacttcgta tgctggttga aacagctcag gaganaaatg aaacgctttt tccagctctc 120
atttactcct caacaatggt gtggttggtg aatatggcag aaggagaccc ggaagctcaa 180
aggagagtat ccaaaaattc caagtataat gcagaaagca cagaaaggag tcacaagaca 240
ctgttgcaga gaatgatgat ggcgggttca gtgaggaatg ggaagcccag aaggacagtc 300
atctagggcc tcatcgctct acacctgaat cn                                332

<210> 455
<211> 429
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (346)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c


<400> 455
ggcnagtagt nngggggtccc agggtttgtt tttaaagtag tgacttctac caacatgtcc 60
cgtggttcca gagagcggtt ttgaccgcca cattaccant ttttnancng agggtcggct 120
ctaccaagta ggaatatgct ttnaaggnta ttaaccangg tggacttaca tnagtagctg 180
atcagcggga aagactgtgc agtaattgtc acacagaaga aagtacctga caaattattg 240
gantccagca cagtgactca cttattcaag ntanctggaa acattggttg tntgaagacc 300
ggaatgtcag ctgncagcag atcccaggta cagagggcac gctatnaggc agctaacttg 360
gaatacaagt atggctatga gnttcctgtg gncatgcctg tgtaaaagga tttccggtat 420
ttctcaggt                                                         429


<210> 456
<211> 623
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (482)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (516)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (540)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (554)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (570)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (588)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (604)
<223> n equals a,t,g, or c

<400> 456
tggcggcttc cttcacccgc aacccgagag acgacccncc gggcccgccc cgcggaagcc 60
gccggttgcc aggccaagga gtggactagg gtcgccgggg aagcggtttg ggagagccca 120
tggtgactgc gtgagtggag cccagctgtg tggatgcccc agcatggatg actacatggt 180
cctgagaatg attggggagg gctcgttcgg cagagctctt ttggttcaac atgaaagcag 240
taatcaagat gtttgccatg aaagaaataa ggcttccaag tctttctcta atacacagaa 300
ttctaggaag gaggctgttc ttttagccaa aatgaaacac cctaatattg gngccttcaa 360
agaatcattt gaaagctgca ggacacttgt atattgtgat ggaatactgt gatggacggg 420
atctaatgca aaagattaaa cagcagaaaa ggaaaagtta tttcctgaag acatgatact 480
tnaatggttt acccaaatgt gccttggagt aaaatnacat ttaccaagaa acgtgtgctn 540
cccaagagat tttnaaagtc ccaaaaaatn tttttcctta acctcaanaa ttgggaaaaa 600
gttnaaaatt ggggaaaaac ttt                                        623

<210> 457
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (432)
<223> n equals a,t,g, or c

<400> 457
atccngaaac tgnaanccgn tgtgtcanct gaaaaaccat tcggtgtgtc tgcacttgga 60
ggctgcactt gcttgcttcc acttatgctt gttctcagaa cacaaacaaa acctgtgaag 120
agtgcctgaa aaacgtctcc tgtctttggt gcaacactaa caagcttgtc ttggactacc 180
agttncaaag tcttgccacc ggcttccctt tgttaattaa ctncttgcac ctngggaatt 240
ttgttgggtn aaacttagaa gcgctgaatc atcacatgtt cggtagtccg gggaaccctc 300
ctcctggggc attggcatct gctgcttgct tgcttgctgc aagaagaaaa aaagaacccg 360
aaacccggac aggaattaaa gaaaaaaggc nttgcgttna accggaaaga aaaagcngaa 420
taccggccgg angaacggaa a   441

<210> 458
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<400> 458
ncttcctnta ggagcaggag ggatgagcaa gggtctccca gcgcgacagg acatggagaa 60
agagcgagag actctgcagg cctggaagga gcgcgtgggg caggagctgg accgcgtggt 120
ggctttctgg atggagcact cccacgacca ggagcacggg ggcttcttca cgtgccttgg 180
ccgcgagggg cgggtgtatg atgacctcaa gtatgtgtgg ctgcagggga ggcaggtatg 240
gatgtattgt cngcctgtac cgcactttcg agcgcttncg ccatgctcag cttctggacg 300
cagcanaagc aggtggtgag ttcttgctgc ggtatgcccg ggtggcacct tctggcaaga 360
agtgtgcctt tgtgctgact cggtgacggc cgcccggtca angngcannn aaccatctt 419

<210> 459
<211> 509
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (485)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (502)
<223> n equals a,t,g, or c

<400> 459
aattcggcac gagctgaagt nactgatgag tataaaaatn atgtaaaaaa cagatctgtt 60
tatattaaag gcttcccaac tgatgcaact cttgatgaca taaaagaatg gttagaagat 120
aaaggtcaag tactaaatat tcagatgaga agaacattgc ataaagcatt taagggatca 180
attttttgttg tgtttgatag cattgaatct gctaagaaat ttgtagaggc ccctggccag 240
aagtacaaag aaccagacct gctaatactt ttcaaggccg gttnctttgc caaaaaatga 300
ggaagaanca aataagtgga gctaattagg nttacagggc agagcaacca agttgaggag 360
tcctgatgna ctctggngaa gttggtcctt ctnatttcgg ggttngtgcn gccntgggng 420
ttcncacttt tcatcagggn taatgtgctc ccaggccagg gttttttttag anccggcttg 480
taccngtcan tgncccctng cnggtcttg   509

<210> 460
<211> 468
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>

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<221> misc feature
<222> (445)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c


<400> 460
cgccttttgg taccggtccn gaattcccgg ggcttccctc ctcttccttt cttcgccatc 60
gtggtgtgtt cttgactccg ctgctcgcca tgtcttctca caagactttc aggattaagc 120
gattcctggc caagaaacaa aagcaaaatc gtcccattcc ccagtggatt cggatgaaaa 180
ctggaaataa aatcaggtac aactccaaaa ggagacattg gagaagaacc aagctgggtc 240
tataaggaat tgcacatgag atggcacaca tatttatgct gtctgaaggt cacgatcatg 300
ttaccatatc aagctgaaaa tgtcaccact atctggagat ttcgacgtgt tttcctctct 360
gaatctgtta tgaacacgtt ggttggctgg attcagtaat aaatatgtaa ggcctttctt 420
tttaaaaaaa aaaaaaaaaa aaaanaaaan acaaaaaana tcaanaan 468


<210> 461
<211> 580
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c


<220>
<221> misc feature
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<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (478)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (509)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (556)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (567)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (575)
<223> n equals a,t,g, or c

<400> 461
ggggggggng gggggggtntt aggtttgcct aaaaatattt aggtgacact atanaaggta 60
cgcctgcagg taccggtccg gaattcccgg gtcgacccac gcgtccgtcg acccacgcgt 120
ccgcccacgc gtccgcccac gcgtccgccc acgcgtccgc tgtgtcgtaa aatggggggtc 180
ccttactgca ttatcaaggg aaaggcaaga ctgggacgtc tagtccacag gaagacctgc 240
accactgtng ccttcacaca ggtgaactcg gaaagacaaa ggcgctttgg ctaagctggt 300
ggaagctatc aggaccaatt acaatgacag atacgatgan atccgcccgt ccactggggt 360
tggcaatgtt ccctgggtcc ctaattcttg ttgctccgta tcgcccaact ccgaaaaagg 420
caaaagntta aanaactttg ccacttaaac tngggttaaa tnttcnctgn tnaatttncc 480
ctgttccctt aaaaataatt gaaattatnn aatttccccc tccccaaaaa aaaaaaaaaa 540
ggggggcccc ttaaanattc cccccnaag gggcnaatta 580

<210> 462
<211> 549
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (5)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c


<400> 462
acngnganac nancctcact aaagggaaca aaagctggag ctccaccgcg gtgcggccgc 60
tctagaacta gtggatcccc cgggctgcag gaattcggca cgaggcgccg ccacaatggt 120
gcgcatgaat gtcctggcag atgctctcaa gagtatcaac aatgccgaaa agagaggcaa 180
acgccaggtg cttattaggc cgtgctccaa agtcatcgtc cggtttctca ctgtgatgat 240
gaagcatggt tacattggcg aatttgaaat cattgatgac cacagagctg ggaaaattgt 300
tgtgaacctc acaggcaggc taaacaagtg tggggtgatc agccccagat ttgacgtgca 360
actcaaagac ctggaaaaat ggcagaataa tctgcttcca tcccgccagt ttggtttcat 420
tgtactgaca acctcagctg gcatcatgga ccatgaagaa gcaagacgaa aacacacagg 480
agggaaaatc ctgggattct ttttctaggg atgtaataca tatatttaca aataaaatgc 540
ctcatggac                                                         549


<210> 463
<211> 480
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c


<220>
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<221> misc feature
<222> (410)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c


<400> 463
gcctctngcg ggccctgttc aagcggaatc ctgccaaccg gctcggctcc ggccctgatg 60
gggcagagga aatcaagcgg catgtcttct actccaccat tgactggaat aagctatacc 120
gtcgtgagan cacgccaccc ttcaagccag cagtggctca gcctgatgac accttctact 180
ttgacaccga gttcacgtcc cgcacaccca aggattcccc aggcatcccc cccagcgctg 240
gggcccatca gctgttccgg ggcttcagct tcgtggccac cggcctgatg gaagacgacg 300
gcaagcctcg tgccccgcan gcacccctgc actcggtggt acagcaactc catgggaaga 360
acctggtttt tagtgacggc tacgtggtaa aggagacaat tggtgtgggn tcctantctg 420
agtgcaagcg ctgtgtccac aaagggccan aacannaata atgcaatagg ggaggtaaca 480


<210> 464
<211> 220
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c


<220>
<221> misc feature
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<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
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<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c


<400> 464
agggacacgt cccatnnngt ggcgggcgcn ctgcggccct tngtgcaggc cacggtgncc    60
gcnaccngaa gncagcctgt tttggaccta aagcggccct tcctnagccg ggagtcgctg   120
agcggccang cctgcgatcg acttgtngtc gactccntgg gtgctcaatn tccctgcttc   180
tttttgttaa ttcccacaca gacatcaagg tgnctgattt                        220


<210> 465
<211> 438
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (428)
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<223> n equals a,t,g, or c

<400> 465
ataggcatga gccaccacgc caggccggga atgccctatt ctaattcaca taaagactcc 60
atgtgggcta gcaggcatgt gaaatgtctg ccagtgcatc aacagctata taactaagaa 120
gttatctttt tcactgtctt ctggtactct tcatttcact tgggtttttt agcaattcag 180
gaagctggaa tgtttgaatg ggttttagct tgataccttc ttcttttttcc catttggcag 240
ataataccac tagtctgacg gataaacacc tggacccaat cagggaaaat ctgggaaagc 300
actgggaaaa actgtgcccg taaactgggn ttcacacagt ctcagattga tgaattgacc 360
atgacnatga gcgagatgga tgnaagaaag gttaccagat gcnccaaaat gggngatgag 420
gaaggctnaa ggggcccg 438

<210> 466
<211> 127
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<400> 466
gcacgattca tgcaaaaagg naactaagca ctatgagatg cttgctaatc gancagctgc 60
aaatggtcac tgcattgata tttatgnttg tgcncctgat caaactggac ttttgganct 120
gnagtgt 127

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<210> 467
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<400> 467
gctggaatct ttacaggaga accacttcca agaagatgan cagtttctgg gagccgttat 60
gccaaggctt ggcattggaa tggatacttg tgtcattcct ttgaagcacg gtgggctttc 120
cttggttcaa accacagatt acatttaccc gatcgtagac gacccttaca tgatgactcc 180
tgcagttgct gaantcaggc ctgtcccctg cccacacttg gcactgggca taaagcaatt 240
agggaggaag caggaaagcc ctctgctgct gttgcaactg aatacatgct ggcangataa 300
catgtgccaa tgtcctcagt gactctatgc aatggggtc acggaatgtg acaatatgct 360
gatgctcctt ggaatcataa taaaatgacc gacaggaaaa ggataaatna tcctctgatt 420
atccaaggtt ttaaaacca                                             439

<210> 468
<211> 484
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<400> 468
gagcaggccc gttggaagtg gttgtgacaa ccccagcaat gtggagaagc ctggggcttg 60
cctggctctc tgtctcctcc catcgggagg aacagagagc caggaccaaa gctccttatg 120
taagcaaccc ccagctggac ataagagatc aagatcaatg ctaaactcca atggttcagt 180
gactgtggtt gtcttcttca agccagctga tacctgtcat actgcaggca tctaaattag 240
aaacctgcga gtaaaactga agaaagaagg atattctaat attcttatat tgtgtaatat 300
taaggaatct cttctcgata aaatcacaca tctaagaata aggttaaaan atatttctgt 360
tataccagaa gaaacaacaa tgctgactct ttaatgaana aatactctat antanatggg 420
cgctgaatac tgttgctttc tcacttcang aaaacataat gtntgaaaat ggacgtttca 480
ttaa   484

<210> 469
<211> 489
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c


<400> 469
cgcctggcga ttaccggtct caccatggag cggaaagtgc ttgcgctcca ggcccgaaag 60
aaaaggacca aggccaagaa ggacaaagcc caaaggaaat ctgaaactca gcaccgaggc 120
tctgctcccc actctgagag tgatctacca gagcaggaag aggagattct gggatctgat 180
gatgatgagc aagaagatcc taatgattat tgtaaaggag gttatcatct tgtgaaaatt 240
ggagatctat tcaatgggag ataccatgtg atccgaaagt taggctgggg acacttttca 300
acagtatngg ttatcatggg gtattccagt taagttttaa ttggttcntg taaaaagatt 360
agttaganga ngtctaaaag ggtttgnctg agttccatgg tggacccagg ttcaacnacn 420
ctagccggtc cattaccaga atttgttgtt ggcaaagncc cgatcctngg ggaaccnttt 480
ctttcggaa                                                         489


<210> 470
<211> 318
<212> DNA
<213> Homo sapiens
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<220>
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<222> (2)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c


<220>
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<222> (21)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c


<220>
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<221> misc feature
<222> (188)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c


<400> 470
cntcactata tntgaggagc nggtacccct gnaggtaccg gtccggaatt cccgggtcga 60
cccacgcgtc cgntatgaca acctgatcac accagccatg annggngccg gctncctgca 120
ggggaacgtc gattcttgcc agggtgacag nggagggcct ctggtcactt cgaagaacaa 180
tatctggngg ctgatagggg atacaagctg gggttctggc tgngccaaag cttacagacc 240
aggagtgtac gggaatgnga tggnattcac ggactggatn natcgacaaa tgagggcaga 300
cggctaatcc acatggct                                                318


<210> 471
<211> 455
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c


<400> 471
ggagtataca ccatgagcaa agctcaccct cccgagttga aaaaatttat ggacaagaag 60
ttatcattga aattaaatgg tggcagacat gtccaaggaa tattgcgggg atttgatccc 120
tttatgaacc ttgtgataga tgaatgtgtg gagatggcga ctagtggaca acagaacaat 180
attggaatgg tggtaatacg aggaaatagt atcatcatgt tagaagcctt ggaacgagta 240
taaataatgg ctgttcagca agagaaaccc atgtcctctc tccatagggc ctgtttttact 300
atgatnttaa aaattaagtc atgtacattt tcatattaaa cttttttgtta aataaacttt 360
tgtaataatc aaaaaaaaaa aaaaaaaaaa aaacccaagg gggggcccgg tccccantcc 420
cccctntttt nattcctttn aaaatnccct ggccc                           455


<210> 472
<211> 676
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (605)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (669)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (672)
<223> n equals a,t,g, or c
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<400> 472

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gctccaggag tgggacggag ggagctggcc gggatgaagt ctgagactat gtcctgagaa 60
gaaagagtgt atcgtattgg ttgaaaagtt ggtggggtcg ggcttaagcg gaggaggggg 120
ctctctggcc cttactcggc agatgggccc ggagagagga cgggaggtgc cgggagaaca 180
tcgagggacc ggtggaggaa gggtagctgg atgagttttg attcatcatg gataatctgt 240
catcagaaga aattcaacag agagctcacc agattactga tgagtctctg gaaagtacga 300
ggagaatcct gggtttagcc attgagtctc aggatgcagg aatcaagacc atcactatgc 360
tggatgaaca aaaggaacaa ctaaaccgca tagaagaagg cttggaccaa ataaataagg 420
acatgagaga gacagagaag actttaacag aactcaacaa atgctgtggc ctttgtgtct 480
gcccatgtaa tagaacaaag aactttgagt ctggcaaggc ttataagaca acatggggag 540
atggtggaga aaactcacct tgcaatgtag tatctaaaca gccaggcccg gtgacaaatg 600
gtcactttta gcaaccaaca acaggagcag ccagtggtgg atacattaaa cccataacta 660
atgatcccng anaaga                                                676
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<210> 473
<211> 512
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (487)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (506)
<223> n equals a,t,g, or c

<400> 473
ntcgacagaa gggtacggct gcgagaagac gacagaaggg tacggctgcg agaagacgac 60
agaaggggc agcatggcgt acccggggca tcctggcgcc ggcggcgggt actacccagg 120
cgggtatgga ggggctcccg gagggcctgc gtttcccgga caaactcagg atccgctgta 180
tggttacttt gctgctgtag ctggacagga tgggcagata gatgctgatg aattgcagag 240
atgtctgaca cagtctggca ttgctggagg atacaaacct tttaacctgg agacttgccg 300
gcttatggtt tcaatgctgg atagagatat gtctggcaca atgggtttca atgaatttaa 360
agaactctgg gctgtactga atggctggag acaacacttt atnaattttt gacactgcag 420
gaatggaaca agtagaccca caagaattgg ataaagnccc tgacaacaat gggatttaag 480
gtttgantcc ccaanctggn gaattnaatt gc   512

<210> 474
<211> 272
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature

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<222> (129)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c


<400> 474
ggcacagcgg cgggcccngt cgtccggcgg ttgcggatgt cgggctgggc ggacgagcnc 60
ggcgtcgang gccnacgggc gcatctacgt ggggaacttc cgancgacgt gcgcgagaag 120
gnacttggna ggacctgttc tacaagtacn gccgcatccg cgagatcgag ctcaagaacc 180
ggcanncctc ntcctgtcgg ccttcgtgcg cttcgaggaa cccccgagat gcanaggatg 240
ctatttatng gaagaaatgg ttatgattat gg                                272


<210> 475
<211> 338
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c


<220>
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<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g,. or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<400> 475
naatctcngt ttggnnggcc cgcccgcagg tccggnccgg aactcccggg tcgacccacg 60
cgtccggcta ccattctgaa acaaatgcaa gtattacatc cagcagccag aatgctggng 120
gagctgncta aggctcaaga tatagaagca ggagatggca ccacatcagn agncatcatt 180
gctggctccc tcttagattc ttgnaccaag cttcttcaga aagggattca tccaaccatc 240
atttctgagn cattccagaa ggccctggaa aagggcattg aaancttgac tgacatgnct 300
cgacctgngg aactgagnga cagagaaact ttggtaaa 338

<210> 476
<211> 424
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c

<400> 476
ttaagttcat gaattccaga gttttcaaga aaattcaagc tttgaaggct tcaccgtcta 60
agaaacggtg caattcaatc gccgccctaa aggccacttc acaggagatt gtgtcctcaa 120
ttagccagga atggaaggat gagaagcggg atttgctgac tgaaggacaa agttttagca 180
gccttgatga agaagccctg ggatcccgac acaggccaga cctggtccct agcactccat 240
cactgtttga agctgcttcc ttggcaacca caatttcact tcttcctata cgtcaatggg 300
cattatccac aagacaaggc ctacaatttn ttcaaaccag gtaatatttt ggtgcaattc 360
aaattaaccc ttcaaggntt nttaaccnca atcaaccatt agggcctgaa cccgtttttt 420
ttgn   424

<210> 477
<211> 228
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<400> 477
ggcatncatg tcttcagaaa catccataag accaatctct gtgatcttat caccagcctt 60
ttgtgccttt nggttctttt gccaaccaaa gaactcaatg aacacttctn ntccaagctt 120
aaggcaccga ttcctattga acttgttgtt gtngtancag ccacnttaac ctctcatttt 180
ggaaaactac atgaaaatta taattcnagt attgctggac atnttccc 228

<210> 478
<211> 486
<212> DNA
<213> Homo sapiens

<400> 478
aactagtctc gaacggcccc gcggacacgc tggatctgac ctactggatt gacggcaccc 60
ggcatgtggt ctccctggag gacgtcggcc tggctgactc gcagtggaag aacgtcaccg 120
tgcaggtggc tggcgagacc tacagcttgc acgtgggctg cgacctcata gacagcttcg 180
ctctggacga gcccttctac gagcacctgc aggcggaaaa gagccggatg tacgtggcca 240
aaggctctgc cagagagagt cacttcaggg gtttgcttca gaacgtccac ctagtgtttg 300
aaaactctgt ggaagatatt ctaagcaaga agggttgcca gcaaggccag ggaggtaggt 360
gtgttgtgaa aaatgcattt tatatactgg cttggatgga tttctattgt gacatggtgt 420
atgtgtgtgt gtgtatgtgt gtgcattcat gcttgtaaaa atttaagtaa aaatatttgg 480
gtaact 486

<210> 479
<211> 524
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<400> 479
ggtgcctgct gcctcaaacc accttgtgta aaatctgcaa tacggcttct tccatgtacc 60
tgtgcctgan ctgtctgcaa taaagaagaa tttgtaaaaa aacggcacct cgctttgctt 120
ttcctccgca accatgtctg acaaacccga tatggctgag atcgagaaat tcgataagtc 180
gaaactgaag aagacagaga cgcaagagaa aaatccactg ccttccaaag aaacgattga 240
acaggagaag caagcaggcg aatcgtaatg aggcgtgcgc cgccaatatg cactgtacat 300
tccacaagca ttgccttctt attttacttc ttttagctgt ttaactttgt aagatgcaaa 360
gaggttggnt caagtttaaa tgactgtgct gccccttca catcaaagna ctactgacaa 420
cgaaggccgc gnctgccttt cccatctgtc tatctatctg gctggcaggg naggaaagaa 480
cttgcatgtt ggtgaaggaa gaagtggggt ggaagaagtg gggt   524

<210> 480
<211> 306
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (146)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c


<220>
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<222> (181)
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<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c


<220>
<221> misc feature
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<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<400> 480
ggcagagggc ccgcnagcng ccgccctcct cctnagcctg ctgctgttcg gnttcaccct 60
agtntnaggc acaggngcag agaagactgg cgtgtgnccc gagctccagg ctgcaccagc 120
aactgncann cannagtgcg tcctnnggaa cagcgaaatg ncccgnacaa cctccaagtg 180
nctgcnaggc gggnctgtgn caccttctgc ctctctgccc caatgatgaa ggngggttcc 240
tgcccccagg tgnaacatta aactttnccc aggtngggcc tctgttcggg caccatgcca 300
ggtngt                                                            306

<210> 481
<211> 473
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c
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<400> 481
gcctttagct gccatcttgc gtccccgcgt gtgtgcgcct aatctcaggt ggtccacccg 60
agaccccttg agcaccaacc ctagtccccc gcgcggcccc ttattcgctc cgacaagatg 120
aaagaaacaa tcatgaacca ggaaaaactc gccaaactgc aggcacaagt gcgcattggt 180
gggaaaggaa ctgctcgcag aaagaagaag gtggttcata gaacagccac agcagatgac 240
aaaaaacttc agttctcctt aaagaagtta ggggtaaaca atatctctgg tattgaagag 300
gtgaatatgt ttacaaacca aggaacagtg atccacttta caaccctaa agttcaggca 360
tctntggcag cgaacacttt caccattaca ggccatgctg agacaaagca nctgacanaa 420
atgctaccca ncatcttaaa ccagnttggt gcggatagnc tgactaagtt taa 473
```

```
<210> 482
<211> 571
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (494)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (550)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (565)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (569)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (571)
<223> n equals a,t,g, or c


<400> 482
gannacttct ctngaaacgc ccgtaccggt cttgaattcc cggctcgacc cacgcgtccg 60
gatgacggtn ccgggcgcct ctcccgagga cncttgggtc aaggtggagt atgcctacag 120
cgacaacagc ctggaccccg ggctttttgt agaaagcacc cgcaagggga gtgtagtgtc 180
cagagctaat agcatcggtt ccaccagtgc ctcttctgtc cccaacacag atgatgagga 240
cagtgattac caccaggagg cctacaagga gtcctacaaa gaccggcggc ggcgcgnaac 300
acacttnagg cttgagcaga agaggaggga cgccatcaag agaggctatg atgaccttca 360
gaccatcgtc cccacttgcc agcagcagga cttctccatt ggctcccaaa agctcagcaa 420
agccatcgtc tacaaaagac cattgactac attcagtttt tgcacaagga gaagaaaaag 480
caggaggagg aggngtcacg ttacgcaagg atgtaccggc ctaaagatca tgaaagtgaa 540
ctatgagcan attgtgaagg cacantagna n                                 571


<210> 483
<211> 220
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<400> 483
aatacaacgg gaatcnctaa ctgccttgcg tgaaggtccc ggtccggaat tcccgggtcg 60
acccacgcnt ncgggccagg atgctgaatc tgctgctgnt ggcgctggcc gtcctggcga 120
gccgcgccta cgcggnccct gccccaggcc aggccctgca gcgagtgggc atcgtcggng 180
gtnangaggc ccccaggagc aagtggccct ggcangtgag 220

<210> 484
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<400> 484
gggangggag gggaaatnct tctcggtatc nggtnnctgg agctccaccg cggtggcggc 60
cgctctagaa ctagtggatc ccccgggctg caggaattcg gcacgagcag cccagcagcg 120
gctgaccctc tgcctgcggg gaagggagtc gccaggcggc cgtcatggcg gtgtcggaga 180
gccagctcaa gaaaatggtg tccaagtttt taacgatggc agttccaggg aactaatgaa 240
cctcactgga acaatccctg tgccttatag aggtaataca tacaatattc caatatgcct 300
atggctactg gacacatacc catataatcc ccctatctgt tttgttaagc ctactagttc 360
aatgactatt aaaacaggaa agcatgttga ttgnccaaaa aaattngggg gggnaaaaaa 420
ggggaaaatt ttanttttt                                            439

<210> 485
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<211> 115
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<400> 485
gacaaagtaa ngcatccctc ctgaccatca gacgttgatc tttgctggga aacatctgga 60
aaatggacnc nccctgtctg actacancnt ccacaaagaa tccnccctgc acctg        115

<210> 486
<211> 558
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
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<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (539)
<223> n equals a,t,g, or c

<400> 486
ntctctgngg tntagctgaa cgccgaggac cggccgaatt cccggtcgac cccgcgttcg 60
ttcttttagc atcaaggaat ctgatgagaa agcaggaaag atcttttcac agatgaacaa 120
tattatgagt aaaagtttgc atgatgatgg ntttactgnt ccacagatta ttgaaatgga 180
gctggatagt caggagcaag ttgttgttgc aggatcctcc tgtgacttac attcagcaat 240
ttgcagatgc agcanccaac cttacctctn cggattctga gaagtggaac tctgtgtttc 300
ccaagcctgg gactttggtt caagtgcttg aggctgcaaa gtttgcatag gangagaatc 360
tttgtataac tcaataactc cttgtgctga cggaattcat tngntggtan gactgnggac 420
atgccctgtt gaatccttga gtgcaataaa tcaaagtaga aggccttgna taatttaaat 480
taaattanac tctgnactat gtaataaccg gaaaggnaac tgcaatcaaa tttgcttgna 540
tggaatgggg caaaatta                                                 558
```

```
<210> 487
<211> 354
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<400> 487
gctctgctca acngngangg ntcggcacaa cattcagaag gaattatgtc ttcatgctgc 60
tcaaggtctc gctcagctna aggcatgtac ctacaaaggt cacaagacag gtgnnactgn 120
agagcanata tgggagatcc agaaggatca acttntatac tatccattct taaaaatgtg 180
cctttcagca aatgntgagc atncaagctt agtggatgca acccatcana accactccna 240
aaatggatac ttagccaaaa tgattaagcg ttccttaaaa ttaacttgac caaggaaata 300
tcctttntca taaanctgtg actaggcata cactgtagnt gtnganaatt atgc 354

<210> 488
<211> 508
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
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<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (485)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c
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<400> 488
aattcggcac gagaaagcgc atggagacta agggagctgg agtgaccctg aatgttctgg 60
aaatgacttc tgaagattta gaaaatgctc taaaagcagt catcaatgac aaaagttaca 120
aggagaacat catncgcctc tccagccttc acaaggaccg cccggtggag ccgctggacc 180
tggccgtgtt ctgggtggag tttgtgatga ggcacaaggg cgcgccacac ctgcgncccg 240
cnccccacgg acctcacntg gtaccagtac cattnccttg gccgtgantt ggtttccntn 300
ttggcccttg gtcntgaaat tggccttaat aacctttaaa attttgctnt natggttacc 360
cgaaaatttt ggggnaaaaa agggccnttt aagaaagccn caaaatnaga cnnccttttg 420
aaangggtng ggananaaggn naaaattttn accttncncg gnatttccna atttnaanag 480
atagngttta aanattttt tttttagg                                    508


<210> 489
<211> 425
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c


<400> 489
ccncggtggg atgttgagct gaggccggag gagaagtagc agtcgctggc agagcacaca 60
ggctgctctg ggggatgagc tggtgcgttt aaggaacagg ccagcactgg cattcgcaag 120
cagtggggaa ggggagagat gccgaggtgg tcagtatcct gactttcaga ggcctttttt 180
tgtttgtttt aatttttgct agattgatat taaaaactca tgtggaggaa ctcaaggaat 240
gtttagaaga ccaaaagtcc ccaatgacag gaacaaaagc aaccaatttt taactttctc 300
ttctcattcc tgttttcatt gatttcccac atgtagtcct tttgctcagg aagtctttgg 360
ggaaattaag gatctttgaa gctctgaaat aggtgatcag gttagtggtg tctgtcagct 420
gtctg                                                             425


<210> 490
<211> 607
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<400> 490
ancanncnna caccacctca ctaaagggaa caaaagctgg agctccaccg cggtgcgncc 60
gctctagaac tagtggatcc cccgggctgc aggaattcgg cacgagaagc cgtcaaggag 120
tagaaattgg tatgcttaga agcagattct aaaagcagtt tctcttcaga acatcttttt 180
tcataccact tgataagcat cttgaaacac catggctgta gctgcagtaa aatgggtgat 240
gtcaaagaga actatcttga aacatttatt tccagtccaa aatggagctt tatattgtgt 300
ttgtcataaa tctacgtatt ctcctctacc agatgactat aattgcaacg tagagcttgc 360
tctgacttct gatggcagga caatagtatg ctaccaccct tctgtggaca ttccatatga 420
acacacaaaa cctatccctc ggncagatcc tgtgcataat aatgaagaaa cacatgatca 480
agtgctgaaa accagattgg aagaaaaagt tgaacacctt gaggaaggac ctatgataga 540
acaacttagc aaaatgtttc tttactacta agcaccgttg gtatcctcat ggacggtatc 600
acagatg   607

<210> 491
<211> 371
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<400> 491
aaactgtaat tgcaatgttg aggggtgact tgctaaccag tcagttgaat tccaggcaca 60
gattgagttg cttctggagt nggcagggtc actgtgaacg cctacgtgag cctcttctac 120
accataaagc gggcacaagt ggtcagtcct gaaagagtcg gaagctggca tatcggccgc 180
ccaagtgacc ctgtccagtg tctgcttgcc atcctgccag aacaggccct caagcccaag 240
agccatccca ggcctgtttc agctncagct aaagcctctc tttcatctgg aagaagaggc 300
aagggggcag gagaccaggc tctagctctg gggccntcnt tcagccccca tcngggaat 360
aaanttantt t                                                     371

<210> 492
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<400> 492
ttgagtcgtg ttaatgtaag aatgactcct atcattagga gtgctgctcg gaggttactc 60
acctttggga gtaatactga agagaggggt ctgcagaaag gatgtgtatg aagcttagat 120
aataatggct gtttcgtaaa ctgtttgaga cctattaatg aaaatgacta tttcttgctg 180
tttttatcca acgtctgcat tttcccccctt taaagctgcg gtctcctgtt tgataaaaga 240
atattggcca gtattgcaga ttttaactgg atttggctga tcctccaggg gaccagtttc 300
tgtgggcgtg tattggagca ggtttgtctt taactcttaa atggttnggt ccnaattttt 360
aaaaaggaag ggccccaagt agcccagatt taaaggngta tncccattcc caaagttcct 420
tggaacaatt accnaaagga                                              440

<210> 493
<211> 90
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<400> 493
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```
ngggagctgg cctggagcgn atgggcnccg tgatggatcg catggccanc ggctgncagc 60
gcatgggccc atcaatctgg agcggatcgg                                   90
```

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<210> 494
<211> 218
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
```

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<400> 494
gggtcgaccc acgcggtccg ttttttttntn ttttttttagn tcccanntttt tantcaagaa 60
ctcatacaaa attttccnga taaatgnaat ttaancctcg tcttcctcct cttcttcgtc 120
ctggttaatc tgggnagtaa cgtaattcgt aactctcttt ggntgtnagc aactgacgcg 180
caaccagttc angtagatta ttcttcttca aatatngt 218

<210> 495
<211> 148
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<400> 495
gtttttaaaa aaaacatgtc atgtangttg tctaaaaata aaatgcattt aaactcaaaa 60
aaaaaaaaaa aaaaaaaaaa aanagggggg gggcgnggga aaaaaaaaaa ngaggntgag 120
gntttgaaga agggaagggg ggcccccc                                  148

<210> 496
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (484)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (534)
<223> n equals a,t,g, or c

<400> 496
atgacccaca ctgccagaag agaattcagt attttttact tttcacactg tcttcccgat 60
gagggaagga gcccagccag aaagcactac aatcatggtc aagttcccaa ctgagtcatc 120
ttgtgagtgg ataatcagga aaaatgagga atccaaaaga caaaaatcaa agaacagatg 180
gggtctgtga ctggatcttc tatcattcca attctaaatc cgacttgaat attcctggac 240
ttacaaaatg ccaaggggggt gactggaagt tgtgggatat cagggtataa attatatccg 300
tgagttgggg gagggaagac cagaattccc ttggaattgt gtattgatgc cattntaagc 360
ctaaaagatc accttgtatt cnctttacct tctaaaagcc attatttatg gngttagaag 420
aagaggaaga aattcaggta ccgnaaaaca cttttgttcn ggggggggcc cgtacccaat 480
tcgncccata gtgagtcgta ttacaatcac gggccgtcgt ttacacggcg gacngg   536

<210> 497
<211> 93
<212> DNA
<213> Homo sapiens

<220>
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<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

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<400> 497
gtgaaacatc aataaagacc acttaatgca cgctttcaaa aaaaaaaaaa aaaaaaaaaa 60
aaaaaaaaaa aaaaaaaaaa aaannaanna nat                              93

<210> 498
<211> 392
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
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<222> (50)
<223> n equals a,t,g, or c

<220>
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<222> (104)
<223> n equals a,t,g, or c

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<222> (106)
<223> n equals a,t,g, or c

<220>
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<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
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<222> (181)
<223> n equals a,t,g, or c

<220>
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<222> (245)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c


<400> 498
cgggaccnaa ggaggagctg cgtggcggcg gtggcgacat ggcggacctn ccgaggcggg 60
tgacgcgccc cctgatgatg ggcctccagg ggagctcggg cctnanggcc tgnacggtcc 120
agaggaaaag ggccgggatc gtgaccggga gcgacggcgn acaccggagc gagcgcgagn 180
ncgccgggac cgggatcgtg accgtgaccg tgaccgcgag cacaaacggg gggagcgggg 240
cattnaancg gggcagggat gaagcccgaa gttgggggcg gtggccagga caacgggttg 300
gaaggtttgg gcaacgacag ccgagaattt tacntgaatt ttaaggcggc nacgttactt 360
gtnccggaaa ttggttnttt attgaagttn cc                             392


<210> 499
<211> 262
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (23)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
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<222> (60)
<223> n equals a,t,g, or c

<220>
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<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c


<400> 499
ggtaagagca acgtgctttg ggngcagaga agagggagan agcagcatct tgcctggatn 60
agccagggga cacagnanag aagcccacct ggacacaaca ccanaaaggc ttcntattcg 120
ggtgtggagt cttttcagca acccggtcca gtactgggcn gatacagcca tccaccttac 180
agatgtgtct acgtgacgct ctgccattnc anctcggnna ctatangtaa ttctcaagaa 240
agccctcatt tttataacct gg                                           262


<210> 500
<211> 437
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (406)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<400> 500
accacaaagc ccccctggag catcttcccg gctggcagga ccatgccatc tctgtggaga 60
aggtgctggg gagggaagtc cttccagtgc cacatggagt gaggccctgc ccatgctggg 120
gactttgggg aggaatttgg tattctggtg gccttgctca gctctcattg agatcttttc 180
ctatcagaat gttagtgaat atacttcgca gctctttgtt cagcaataag gaatattctt 240
tcaattcctg ctcttcaagc caatttacta cacccatttg tctttccaaa attcatccca 300
acggtatant tggtttnggt cctccttgga ttcaatctgt ttcctggtaa aattgaacct 360
gtccattgtg aatcctctta attncctcct cccaaaanaa ccagnncttg taaatttntg 420
gccaactcca ggggcca   437

<210> 501
<211> 180
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<400> 501
gagaactagt ctcgagtttt tttttttttt ttttttgtt ttttggctct ttcaaaggta 60
atggcccatc gatgagcatt tttaacatac tccatagtct tttcctgtgg tgttaggtct 120
ttattttat ttttttcctg ggggctgggt gggtttgggg gncanngggg gaantgncct 180

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<210> 502
<211> 436
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (385)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c


<400> 502
tacaaactgt cctttattca gagtgagact gcggaacatt aataatttat cacgcgggga 60
gtccccagaa gccctgtgcc cacgaaccce tgtgggcgga nggagagaag cggggactcc 120
gggagcttcc tgagagggcc gtgtcttggg agcaaggtga catatccagt ccangcacgc 180
ggaacatgac tcagaantng ggaaacaaaa aaccatcccc cnccngaang gggggggcca 240
ggcccctaaa aagcacaatg gnggcnggtg gaattngggt taaaatntcn gggttcnaaa 300
aagaccatat ttttttttcc cagttcnntn gccccncctt ttnttgttaa ggggggggt 360
taanattccc ccctccccgg gaaanaaaan tacctttctt aggaagaagg gcccccccc 420
ccttcccgcc tttttn                                                  436


<210> 503
<211> 418
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c


<220>
<221> misc feature
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<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
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<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c
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<220>
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<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<400> 503
gctcttttaa ataaatgagc aagtgtccta agctatgtca nccaaagatn gtccnnncca 60
nnctcaaatc cngtgactgg gatcactcaa cagnacngtg atgtangann nncaangagg 120
tgccnnnctn aactgaccaa atgctgcctt gtttggcccc taaatcaata aaatatgtna 180
aaatttgtat cccctgttgt ggcattttn tnagataatc naagcnagaa aaatganang 240
gaatnctgga ccnggnnggg aaggaaaaga acccttttctt gtcgctggna actgtgttgg 300
taaggaagtc caaatttgtg catatgaaat aagccgnaac cgctggaacn ncactcctat 360
gcagctnctc ttganccana aacaaggagc ttggtctaat gganatacac tgtgcttg   418

<210> 504
<211> 202
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (161)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c


<400> 504
gctgggttta taccgtcgtg agacaagtta gttttaccct actgatgatg tgttgttgcc 60
atggtaatcc tgctcagtac gagaggaacc gcaggttcng acatttggtg tatgtgcttg 120
gctgangaac caatggggcg aanctaccat ctgtgggatt ntgactgaac gcctctaatt 180
cnnaatcccg cccatgcgga ac                                          202


<210> 505
<211> 568
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c


<220>
<221> misc feature
```

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<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (482)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (503)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (511)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (538)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (561)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (565)
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<223> n equals a,t,g, or c

<400> 505
gggtagctct ttgaaggtgg ataagacttc agaagaggaa aggccagact ttgcttacca 60
tcagcatctg caatgggcca aacacacctc aaattggctg agttgagaaa gcagccccag 120
tagttccatt cttgcccagc actttctgca ttccaaacag catcctacct gggttttta 180
tccacaaagg ttagcggcca catggttttt aaattatgaa gaaacacatt tgtcctctcc 240
ttttatccaa gcaggaanat cctatatccc tgatggttaa aaacaaatcc aggccaccct 300
gaatttgcta ccccaaaaaa gagatttggt taanctgttt cnccggtttg ttccctaagg 360
ccatatttta aaattaccac tctgggggtc ccntnaaaac cccngccggg gaccatcttg 420
cnntntggtt aaaaccccct gtttcaatct ctaaatttnc ccctaaggag ggggttggct 480
tnaaaatttg ggggaactta tcncccttca ngttttttcc gggtacccc cccttggngg 540
gggaacccct ggctcgggga ntganaaa   568

<210> 506
<211> 187
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<400> 506
aattcggnac gagccaaaat ggtggaaaca gccttaaccc caaatgcctg caatcctaac 60
taatttaagt aattgctgac tgcatagctc ttttccttna gaggctctcc attttaattc 120
aaaaagttag catatttatn aaccatgaaa tttgaaaacc agggcttttt tttttttngg 180
gggggttg   187

<210> 507·
<211> 68
<212> DNA
<213> Homo sapiens

<220>

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<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<400> 507
tacgagggtc attttttttt tttttttttt tttttttttt tttttttttt ttnncccccc 60
cccnnncc                                                           68

<210> 508
<211> 366
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
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<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c


<220>
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<222> (161)
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<220>
<221> misc feature
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<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<400> 508
ggnaganctg aaggacacct gcctnaaagc agagatggag gccttntgtn cacggcggat 60
tctttgtttn aatcttgcaa tgtgctttcc ttgtngctgg gcggatgaat gtttactnaa 120
cgatgaaatt ttaacatcca aaggggggata ggcacttggn nccccccattc tnccaaggcc 180
cggggggggcg gtttcccatg ggaatgtgaa aaggctggcc attattaagt ccctgtaaat 240
naatgtgaaa ccccaccggg gcacccccccg tccccccaaag ttttggttgt ttaaaaataa 300
gnnttccatg gggnagtttt aaaaacctgg tngccccgnt ttttttttnaa ttaaaataag 360
ggtnag                                                          366

<210> 509
<211> 496
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (201)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (353)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c


<400> 509
ggcacgagcc agcctccctg tctccagctg cctgggcccg gaaggtgtgt ggntccttct 60
cngggtctga ttttntcact gaactccacc gaccaactnc cctaagcccc nagggcctcc 120
agggaccagg ttcgagaccc aaaccncnaa aatccaaaac ttctcttgaa aagttcaggg 180
accgtccagg ggagatgggg nggagatatg gagtgagtca cctgactcca gaagatgcca 240
gnttctctct ccagggtgct tagttggctt tgaccacccc tnactcccca gggagctctg 300
gggcacagct tcctgcacan ccctgtgccc aaccacacag ctgccntagc tgnaccccga 360
gaagtgctct tggntgaccc tntggtgtgt ggtgaggggt ttgtgttccc ttnctgtttc 420
agaccctcga ttttccgtaa tggtttgggn gagttgggga ggttcaagca gagtgtttta 480
ttattntcgg tttatg                                                 496


<210> 510
<211> 363
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c


<220>
<221> misc feature
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<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<400> 510
gcnagaggaa ccgcaggttc agacntttgg tgtatgtgct tggctgagga gccaatgggg 60
cgaagctacc atctgtggga ttatgactga acgcctctaa gtcagaatcc cgcccaggcg 120
gaacgatacg gcagcgccgc ggagcctcgg ttggcctcgg atagccggtc ccccgcctgt 180
ccccgccggc gggccgcccc cccctccacg cgccccgcgc gcgcgggagg gcgcgtgccc 240
cgccgcgcgc cgggaccggg gtccggtgcg gagtgccctt cntcctggga aacggggccc 300
ggctggaaag gcggccgttt agaggatcca agcttacgna cgcgtgcatg cnangccata 360
nct                                                                363

<210> 511
<211> 331
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<400> 511
naggaatang ccggnaaagc ttctacgcct gcaggtaccg gtccggaatt cccgggtcta 60
cccacntttc cgcataggtg ttcatactgn tacatgcaga acatttgtca ggctctctgt 120
cagctttcat gtacatatgg tatagaaacc atggagttag gcacttcctg gatttttttt 180
ttatgagaaa aatactgtat ttaaaatgta aaataaactt ttaaaaagca aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaanaaaa aaaaaaaaaa agaaaaacag 300
nttaaaaaac anaaaatnaa aaaaaaaaan a                                 331


<210> 512
<211> 754
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<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (572)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (667)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (724)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (748)
<223> n equals a,t,g, or c

<400> 512
ggtgatctcc ccaccttggc cttccaaagt gctaggatta caggcgccta gcctaggcag 60
tcattttcaa aaaacaagca tgactcacca aaagttttaa gattttctgt gataatgttc 120
ttattgaggc ttacattata ttacagtttc ttgaatctaa aatgatgtac cctcttagga 180
tatatacatc atgcttcatt ggtctcaggg ggctgatttt tataaggaga gatttgctag 240
ttttcacaat atgtcctcta agttggcatg tatagctaaa caggctttca taaaaatata 300
caatttagtt aatgaaattt gggatatagt cttttatgat tgaaataatt ttgctaaata 360
gactgtctct gattattag gtaatcacca ctcttatttt gttttacttc cttaatgtct 420
acatagaaag gaaatgagaa aaatccagag gttgtcattt gacttatgag tctgtttgac 480
ttcaggattt ggtacatgaa atttcactta atcttttga tatgtataaa acaaatattc 540
tgggtaatta tttttatcct tttggttttg antccttttt attcctatca tattgaaatt 600
ggtaagttaa ttttcctttg aaatattcct tatagccagg tctaaaattc aatgggccca 660
caaccgncaa ccgccaacaa caaccaaccc cactttacta tcatggctgg gtgcctccaa 720
tttnccttct gggaaccacc cagttaantt aaaa                               754

<210> 513
<211> 245
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
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<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c


<400> 513
taaatgntcc tttcctttgt agactctggc aaaaggcttt aggaagataa aagtttgagg 60
agaacanaca ggaatnctga nttaagcaca gagttgaagt ttatacccga ttcacatgct 120
tttcaagaat ntcgcaatta ctaagaagca gataatggtg ttttttagaa acctaattna 180
ggtatattca accaaatact tttaaangta taaaataaat attatacaat anacttgtgt 240
agcag                                                            245


<210> 514
<211> 393
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c


<220>
<221> misc feature
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<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c


<400> 514
aattcggcac gagttttaat atgaaaganc ctcatgaatt aaatagttga tgcaattttn 60
aacgttaatt gatataaaaa aaaaaacanc aaaattnggc ttgnaaaact gacttttnca 120
ttangngggt tttgaaatct ngccccagac atactgtgtt gngagatact tagngggagg 180
gagtaggttt tnangnggtt gatggtggtg gggagggaag gcctcctgaa ttgngtttga 240
tgcagagctt tttagccatg angaatcttt cagtcatagt actaataatt aaatttncag 300
tntttaaaaa gncaagntnt ttgtccnttt tgnntttctg nactccctgg aaagttccnt 360
tnggcggtgg ggcccaaagc tnttggtttt cct                                393


<210> 515
<211> 231
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c


<220>
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```
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c


<220>   .
<221> misc feature  ·
<222> (200)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c


<400> 515
ggacaaatgt taatcttttg tctccagaaa aagttgggct ttcccaagca gttctattac 60
ccggttcaca attccttcac ccaaaantca tctcatggta tacatggctc ctantccttt 120
ncattacctg atggtagaaa taaaataatt cactttaaaa aaaaaaaaaa aaaaaaaaaa 180
aaaaaaaaaa aaaaaagggn ggccgntnta gaggatccaa gtntacgtan g          231


<210> 516
<211> 82
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c


<220>
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<221> misc feature
<222> (22)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c


<400> 516
ggcacgtacg gcangagcga angaaggagt aaggtngtgg gatctcaccg tgggtccgat 60
tagcctnttc tctgccttac tt                                         82


<210> 517
<211> 237
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c


<400> 517
aattcggcac gagcccacct ccacctgccc cactcaccac ctctgctagt tccagacacc 60
tccacgccca cctggtcctc tcccatcgcc cacaaaaggg ggggcacgag ggacgagctt 120
agctgagctg ggaggagcag ggtgagggtg ggcgacccag gattccccct ccncttccca 180
aataaagatg agggtactta aagttaaaaa aaaaaaaaaa aanaaaaaaa aaaaaaa   237


<210> 518
<211> 281
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c


<220>
<221> misc feature
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<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<400> 518
gctcacgccg gccgggggccg cgaggcctgg tctgngcctc agggaggggc cccgggtcct 60
ctcagtcttt cccctcccccc aacgatgtag cgtttttcgt tgtttgcttt aggttnttga 120
aacagccccg gcgncgcctc tattggctct cggccttggc aacggccgtc gtcatggtta 180
ctggccctaa cagccgatgg ccgaagccga cctgccaccg ggcggggtcn ctggttggcc 240
ggncccaggc gcgcggggnc gcngnagccg agcattcttt t                    281

<210> 519
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (373)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c


<400> 519
tgaagccagc tcacagtgct gtgtgccccg gtcacctagc aagctgccga accaaaagaa 60
tttgcacccc gctgcgggcc cacgtggttg gggccctgcc ctggcaggt catcctgtgc 120
tcggaggcca tctcgggcac aggcccaccc cgccccaccc ctccagaaca cggctcacgc 180
ttacctcaac catcctggct gcggcgtctg tctgaaccac gcggggggcct tgagggacgc 240
tttgtctgtc gtgatggggc aagggcacaa gtcctggatg ttgtgtgtat cgagaggcca 300
aaggctggtg gcaagtgcac ggggcacaag cggagtctgt cctgtgacgc gcaagtctta 360
aggtctggcc gnnggccggc tgggtctggg catttntggg tgcaccgcgg ngctttccag 420
accaacatgt aaccggcatg ntt                                         443


<210> 520
<211> 129
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c


<220>
<221> misc feature
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<222> (81)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c


<220>.
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c


<400> 520
tggttccccc acagtaggtg ttttaanata agaattaggg tccttttgga aagaantagt 60
tgcagtnttt ataggatagt ngtggtaana ttctagttta tttnccattt ggctaattgg 120
tctgtgctg                                                       129


<210> 521
<211> 113
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (112)
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```
<223> n equals a,t,g, or c

<400> 521
gggggggccng gtacccaatt gccccctatag tgagtgcgta ttacaattga ctggancgtg 60
gtgntacaan gtggtggact gggaaaaanc ctggggttac ccaacttgaa tng         113

<210> 522
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<400> 522
tttcagtttg caaatagaac taatactggt gaaaatttac ctaaaacctt ggttatcaaa 60
tacatctcca gtacattccg ttcttttttt ttttgggact ctgtctcaaa taaatncata 120
aaaattaaat gngganttca ctttgcagtt gctgctgtnc aacgnacatt actcaatctt 180
tatgtncggc attctatgct ctactgggga aatttgggta ggagtgangt atttngtata 240
catatctnca tttaataatg gcaatngctg ggtctatctt actattttan ctattggata 300
aatattttgt ttcccccagg tgctggggnt gcaggcgtgn ccccactgng gcccggccac 360
attcagttct tatccaaggg ataacccccng cnt   393

<210> 523
<211> 146

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<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<220>
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<222> (102)
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<220>
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<222> (112)
<223> n equals a,t,g, or c

<220>
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<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<400> 523
ttcantaaat gtngtggnac ttccatttgt caaagcacca aaacanagga accccaacct 60
tacatgtaat acanacttaa ctcaaaatgg atcatatatc tnactgtaaa angnaaagcn 120
```

```
ataaaactga aaacagacta tcttta                              146
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<210> 524
<211> 346
<212> DNA
<213> Homo sapiens

<220>
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<222> (59)
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<220>
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<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
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<222> (119)
<223> n equals a,t,g, or c

<220>
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<222> (120)
<223> n equals a,t,g, or c

<220>
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<222> (278)
<223> n equals a,t,g, or c

<220>
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<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c
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<400> 524
tggggcacgg acaccgacgg gttgcgactg tgacgtgagg tgttctcgcg cgcgctagnt 60
ncntgccggg tgccgctgac gggcgtgcgc gcttgtgcgg accggaggtg ggggccgann 120
cagccaaggt tgcgggggcc gcagagccgg acgaagacgg agggcggagc ggcttcggga 180
ctgcggagac tacacaccga gcgagcgcct gggcccgaag gagcgatgct gtggttccag 240
ggcgccattc cggccgccat cgcgacggcc aaaaagancg gcgcgtcttc gttgtgttcg 300
tggcagtgat gatgaacant ctacacagnt ggcttcaagt tnggaa                  346
```

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<210> 525
<211> 470
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c


<220>
<221> misc feature
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<222> (415)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c


<400> 525
gcttactttt aaccagtgaa attgacctgc ccgtgaagag gcgggcataa cacagcaaga 60
cgagaagacc ctatggagct ttaatttatt aatgcaaaca gtacctaaca aacccacagg 120
tcctaaacta ccaaacctgc attaaaaatt tcggttgggg cgacctcgga gcagaaccca 180
gcctccganc antacatgct aanacttcac cagtcaaagc gaactactat actcgattga 240
tccaataact tgaccaacgg aacaagttac cctngggata acagcgcaat cctattctan 300
agtccatatc aacaataggg tttacgacct cgatnttgga tcatgacatc ccgatggtgc 360
agccgctatt aaaggttcgt ntgttcaaca attaaagtcc tacgtgatct gagtncanac 420
cggantnatc caagtcggtt tctatctact tcaaattcct ccctgttcga          470


<210> 526
<211> 299
<212> DNA
<213> Homo sapiens


<220>
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<222> (7)
<223> n equals a,t,g, or c


<220>
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<222> (21)
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<220>
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<222> (48)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (66)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
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<222> (70)
<223> n equals a,t,g, or c

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<222> (71)
<223> n equals a,t,g, or c

<220>
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<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
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<222> (111)
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<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
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<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

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<220>
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<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<400> 526
cgtacgngtc aaggagaagg ncaaagaaga agaccgtgca aaagcttngt gaaaaagaag 60
aaacantngn ngccngntta tagattagaa gaggtcaagg ataaagatgg naagccactc 120
ctgncaaaag agtctnaagg nacagcttcc acccatggag tggaagactt ccttctgggg 180
tggctttgtg tgtagggnct tctgctggtt ccacaaaatn gcttcatctg cttaaaattt 240
naaggatgct naaacttgct ggctggccca tctnctgaag tgggnttccc aaaacccca 299

<210> 527
<211> 323
<212> DNA
<213> Homo sapiens

<220>
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<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<400> 527
ggcanaaaat tagattataa ctnatagtat gtagagttna gagctttatg gtctagattt 60
tccnatttgt atttaagtta cctaatttaa gaaggtttta aaaatggaaa ttcagtatat 120
aatatttgtg nggttttttt ccacagtgaa aaatgaaatt atgcagaaaa tgttccccac 180
aacatgacag ngaaaggaat tctgggacac gttttttccc agtcccatta ttttcacagg 240
gatcggctgg aatacagggt caaaggatct ctttgccaga atgtgccaaa ntngntgaaa 300
aaggtaactg tttatcnctg atn   323

<210> 528

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<211> 220
<212> DNA
<213> Homo sapiens

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<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (147)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c


<400> 528
actcttgtnc agngngtagt atctggggcg agtgttnggg gtaaaagccc accntacana 60
aagtggaaca gcccggagcc tgtatgtgaa aggnccacgg gtgttntaag ctagggacac 120
ggangtccaa acttggaatc aaacggncgn actgttaaat tatatcttat naactnatta 180
aatgaaaaca ttttgctccg taaaaagaat ataaaaaagt                       220


<210> 529
<211> 285
<212> DNA
<213> Homo sapiens


<400> 529
ccaagaagaa gctttacata ttctgggctt tcaacctcca tttgaagata ttaggtttgg 60
tcctttcacg gggaatacaa cacttatgag gtggtttaga caaattaatg accacttcca 120
tgtaaaagga tgctcttatg ttctatataa gcctcatggg aagaataaaa cagcaggaga 180
aactgcttca ggggccctgt caaagttaac ccgtgggatt gaaagatgaa tcgctggctt 240
atatctatca ttgccaaaat cattattttt gtccaattgg cttcc                285


<210> 530
<211> 79
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c


<400> 530
ggcanagntg caccacccat gggantgnct ggnctgggaa cgcttccgat gcaacattaa 60
ctgtgatgag gacccaaag                                               79


<210> 531
<211> 236
<212> DNA
<213> Homo sapiens


<220>
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<222> (15)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c


<220>
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<222> (46)
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<220>
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<222> (49)
<223> n equals a,t,g, or c

<220>
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<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
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<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
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<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (201)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<400> 531
ggcagagtaa aatantttnc aggagctcca ggnaatgngg cggacncann nttntttaga 60
acacaaatga tggatttaga attggcaatg ntgcgtcaaa accatggttt atcatcatat 120
gactnaggag gagnggtttg aagttgatca gctccagggt ttgtgaaaat tcantccgca 180
atggtaactt tcaggtncct nggaactgca gctggaggag ngnctnctng gccctt     236

<210> 532
<211> 341
<212> DNA
<213> Homo sapiens

<220>
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<222> (17)
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<220>
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<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
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<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
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<222> (220)
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<220>
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<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c
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<220>
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<222> (241)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c


<400> 532
ggcagaaacg agcactnctn aattaatatc tgtatcctgg aacaatattt aatggttatg 60
tttttntgtg tgtnagtttt natagtatcc atattttaat nactgtttnt tacttccatg 120
aaattttaaa aatctgaagg gnaaatgttt tgtgaaacat ttattttttt aaaggaaaag 180
ntgaaaggca ggcctatttc atcacaggac cacacacatn tncncggnnt agggcatnca 240
nactcaatgg ctttntttgt gaaatttggg tgtttttttna atttnttnct gntcaaatgg 300
atgtggccaa aaacctttta nctgggttgg cntgggaaat t                    341


<210> 533
<211> 208
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<212> DNA
<213> Homo sapiens

<220>
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<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<400> 533
ggcagagcat ctttgccagt acaggngctt gtnccgtggc ccacagccca cagcccacag 60
ccatgggctg anacctgacg gtgaaagatg ctggcgggca acnaattcca ggtgtccctg 120
aagncagctg ccatgtgggt gtnaaagctg aaggcgcgag ntncacccag naagatcggg 180
gtgcacgctn tnttagccag gcgtttgg   208

<210> 534
<211> 252
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)

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<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c


<400> 534
ggcagagcac tagagcagag tacgagtcta aggcggaggg agtaatggna ggacaagcgt 60
ttagaaagtt tcaacagggt gctgctggca acatgaaagg natgatggga attcaatgaa 120
tatgtgaaag gaaaatgccc ttgaatatga anctgaactg canttgaaat gacctgaatt 180
tgcctgagaa cctgcagcgt ttncccttcc tttttgccga aattgggcgg ggaaagtgtn 240
attttnnctn ng                                                    252


<210> 535
<211> 380
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c


<220>
<221> misc feature
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<222> (46)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (215)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<400> 535
nnttcggcan nggggggttta aaactttgct gcttttttac ataaangact gtgcctttcc 60
tagagagtta agatgtaaat gtgttctcac atgtnaantt tgagagttca ggggtctatt 120
atggaatgat acacnttttt aatgaaccnt aaaatanttc actaagntgt ttgccttcca 180
nagtgtttac ccttaagcct taacntgtat ctncnttcag aaaaccgtta tnttgtgcaa 240
accatagtag gaaganaaac ctttatttgg gatataacac tactgtaagt tatgttacag 300
angctananc cancccnctg tgttananta nangagccaa aannancaan agaaaaaagg 360
ggaaaagaaa aactaatang                                             380

<210> 536
<211> 91
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (34)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c


<400> 536
ggcacgaggt ctctngaaca cgctgcgggg ctcncgggnc tgagccaggt ctgtnctcca    60
cgcaggtntt ctgcgcgccc cgttcagcca t                                   91


<210> 537
<211> 316
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (290)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<400> 537
atcgacccac gcgtccgcca agattaatca tataaccatg ggacaaagaa tttttatagaa 60
atttttaaac atctgataaa acttaagctt cttttttcaga tgtttaaatt ttatcatcct 120
ttttttttctc atgaattctt aaaggattat gctttaatgc tgtnatctat cttattgttc 180
ttgaaaatac ctggcatttt ttggtatcat gttcaaccaa catcattatg anattaatta 240
gattcccatg gccataaaaa tggctttaaa agaatanata tatatttntn aagtagctga 300
gaagcaaatg ggcngt                                              316

<210> 538
<211> 374
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (303)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c


<400> 538
ggaaanctgg ncnccntcag gtaccggtcc ngaattccgg gtcgacccac gcgtccgtgc 60
tgatccccat cgctgtgggt ggtgccctgg cggggctggt cctcatcgtc ctcatcgcct 120
acctcgtcgg caggaagagg agtcacgcag gctaccagac tatctagcct ggtgcacgca 180
ggcacagcag ctgcaggggc ctctgttcct ttctctgggc ttagggtcct gtcgaaggga 240
gggcacactt tctggcaaac gtttctcaaa tntggttcat ccaatgtgaa gttccatctt 300
ggnaancatt tgactatgca caacagatta attancgaaa tggacggtgt tnantttggc 360
taaatgggtt aaat                                                    374


<210> 539
<211> 109
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (47)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<400> 539
gtgggattnc tgtgcaggag ggtcgtggtc tggctgtggc ggaggnncat aagaaggtaa 60
cncgacctgg cgcggcagac anggctcgaa gacctcatct ttattaana               109

<210> 540
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<400> 540
tctgaccttt tgggtttttaa gcaggaggtg tcagaaaagt taccacaggg ataactggct 60
tgtggcggcc aagcgttcat agcgacgtcg ctttttgatc cttcgatgtc ggctcttcct 120
atcattgtga agcagaattc accaagcgtt ggattgttca cccactaata gggaacgtga 180
gctgggggttt agaccgtcgt gagacaggtt agttttaccc tactgatgat gtgttgttgc 240
catggtaatc ctgctcagta cgagaggnac cgcagttcag acattggtgt atgtgctggg 300
ctgaggagcc aatggggcga aactacccat ctgtggggan tatgactgaa cgncttctaa 360
gtcagnatcc cgcccaagcg gaaacgatan ggnagc                            396

<210> 541
<211> 429
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<400> 541
ttgggtttta agcaggaggt gtcagaaaag ttaccacagg gataactggc ttgtggcggc 60
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caagcgttca tagcgacgtc gctgtttgat ccttcgatgt cggctcttcc tatcattgtg 120
aagcagaatt caccaagcgt tggattgttc acccactaat agggaacgtg agctgggttt 180
agaccgtcgt gagacaggtt agttttaccc tactgatgat gtgttgttgc catggtaatc 240
ctgctcagta cgagaggaac cgcagttcag acatttggtg tatgtgcttg gctgaggagc 300
caatggggcg aacnaccatc tgtgggatta tgactgaacg cctctaagtc agnatcccgc 360
ccaggcggaa cgatacggcc ancgccgcgg agcctcggtt ggcctcggat agancggnnc 420
cccgcctgt                                                          429
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<210> 542
<211> 617
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (552)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (588)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (601)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (609)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (612)
<223> n equals a,t,g, or c

<400> 542
cacgtagtag nggaaacntg gtacnccgtg caggtaccgg tccggaatnc cngggtcgac 60
ccacgcgtcc gagtttccct caggatagct ggcgctctcg cagacccgac gcacccccgc 120
cacgcagttt tatccggtaa agcgaatgat tagaggtctt ggggccgaaa cgatctcaac 180
ctattctcaa actttaaatg ggtaagaagc ccggctcgct ggcgtggagc cgggcgtgga 240
atgcgagtgc ctagtgggcc acttttggta agcagaactg gcgctgcggg atgaaccgaa 300
cgccgggtta aggcgcccga tgccgacgct catcagaccc cagaaaaggt gttggttgat 360
atagacagca ggacggtggc catggaagtc ggaatccgct aaggagtgtg taacaactca 420
cctgccgaat caactagccc tgaaaatgga tggcgctgga gcgtcgggcc catacccggc 480
cgtcgccggc agtcgagagt ggacgggagc ggcggggggcg gcgcgcgcgc gcgccgtgtt 540
ggtgttcgcc gncttcccag tgggcaagcg ccccaacccc cttccttntt ggttcctctt 600
ncccaatng gnaacaa   617

<210> 543
<211> 302
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>

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<221> misc feature
<222> (281)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c


<400> 543
acccacgcgt ccgaaatact taaaatgagg aataagaatg gagatgttac atctggtaga 60
tgtacattgc taccagatta tggatggact gatctgaaaa tcaacctcaa ctcaagggtg 120
gtcagctcaa tggnncacag agcacggnct tttggnttct ttgcagtact ttgaatttat 180
ttttctacct atatatgttt tatatgctgc tggtgctcca ttaaagtttt actctgtgtt 240
gcaaaaaaaa aaaaaaaaaa aaaaaaaaag gggggccccc nntaagggggc ccnantttng 300
ga                                                               302


<210> 544
<211> 534
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (436)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (498)
<223> n equals a,t,g, or c


<400> 544
gcaagggaaa gatgaaaaat tataaccaag cataatatag caaggactaa cccctatacc 60
ttctgcataa tgaattaact agaaataact ttgcaaggna gagccaaagc taagacccccc 120
gaaaccaaac gagctacctt nnagaacgct aaaagagcac acccgtctat gttngccaaa 180
tagtggaaaa aatttatagg ttgaaggcga acaaacctac cgacctggta atactggttt 240
gttccaaaat anatcttaat ttccactttt aattttgccc ncnaaacccn ctaatncccc 300
tttttaattt actgttnngn tcccaanaag gnaacncnct ttgggacnct tngaaaaacc 360
tttttaaaa aaattttaaa tttntncccc ttntggggc cctaaaccc ccccctttna 420
aaaggntttt tcaccncccc cccccccccg aaacccccccc nttttttttt cccccccccc 480
ctnggaccct ttncccnaa aaaaattttt ttttttttta aaacccccc cccc         534


<210> 545
<211> 355
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c


<220>
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<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc featur
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<222> (355)
<223> n equals a,t,g, or c

<400> 545
ngcaacagga aagnccagga ggacctctga ggccacgnct ganccttctt ggctggggca 60
aactactctt caagtggtgg cncagtccca gcanggcagt ccgcctctcc ccctgctgag 120
actttaatct ccaccagccc ttaaagtgtc ggccgctctg tgactggant tatgctcttt 180
tgaaatgtca caaggccgcc tcccatctct gggggtattg ttacaaattc ttcctctccc 240
tgaaatngcc tttcctgctt tcctccgtgg gtaagttcna ncaaatttcc tctagcttnc 300
ctggaaggaa tcactccccc caaggaaacc tcccttncct tttcctgggg tgttn   355

<210> 546
<211> 269
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<400> 546
gtttttcatc aagttcctaa gagctgactt ggagatttta ttcccagggc tccactgcta 60
ggattcttct cactagttct aacaaaatct gtgatgttaa atgactgatg ctctcaattg 120
tgatccagag ttttaaataa atgaaatcaa ggtgggattt tgggaatata tcctgaantt 180
taacatcttg atgttccttc ttgtttgtta aaaaaaaaaa aaaaaactcg angggggcc 240
cggtacccaa tnccccctaa tagtgannc   269

<210> 547
<211> 82
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<400> 547
ggaaaacatg gaaaggatc tggaaagtgg gcttgcanan gcttgggacg gaanancctg 60
atnccggccc tgatggtcac gg   82

<210> 548
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c


<400> 548
caatcaccta ttcacttctc atgcacccgg atgctctgga agagcctgat gaccagaacc 60
gtatttagtc tccattgtct tgcattggga tttgagaaga aaatcagaga gggaagatct 120
ggtatttcct ggcctaaatt ccccttgggg aggacaggga gatgctgcag ttccaaaaga 180
gaaggtttct tccagagtca tctacctgag tcctgaagct ccctgtcctg aaagccacag 240
acaatatggt ccccaataac cgaatgcacc ttctgtgctt ccancttctt ccttgaaatt 300
caagggtctt nccgtttccc cattcccccc caggccantc caanttattc caaaccctgn 360
tt                                                              362


<210> 549
<211> 448
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c


<220>
<221> misc feature
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<222> (284)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c


<400> 549
ggatggcagg agagcttgtc attgagcctg gcaatttagc aaactgatgc tgaggatgat 60
tgaggtgggt ctacctcatc tctgaaaatt ctggaaggaa tggaggagtc tcaacatgtg 120
tttctgacac aagatccgtg gtttgtactc aaagcccana atccccaagt gcctgctttt 180
gatgatgtct acagaaaatg ctggctgact gaacacattt gcccaattcc aggtgtgcnc 240
agaaaaccga naatattcna aattcccaat tttttcttta ngancaagaa aaaaatgtng 300
ncctaaaagg ggttaattna aggggttagg ggttatgaaa gancttgatt tggatctctt 360
tttattttaa tttnaatttc acttttgaca tccaanaaaa actttgttga aatacttctg 420
```

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ttctcaatgt tttgganaaa aatcancc                                              448
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<210> 550
<211> 502
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (25)
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<220>
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<222> (153)
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<220>
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<222> (296)
<223> n equals a,t,g, or c

<220>
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<222> (318)
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<220>
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<222> (327)
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<220>
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<222> (329)
<223> n equals a,t,g, or c
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<222> (342)
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<220>
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<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c

<400> 550
aattcggcag agnaaaccat ttacncaaat aaagtatagg cgatagaaat tgaaacctgg 60
cgcaatagat atagtaccgc aaggagaaga tgaaaaatta taaccaagca taatatagca 120
aggacttaac ccctatacct tctggcataa tgnaattnaa ctaggaaatg aactttgcaa 180
gggggagcca aagcttaaga cccccgnaaa ccagacggag cttaccttaa ggaacagctt 240
aaaagaggca cacccgtctt atgtaggcaa aatagtgggg aaggtttttt aggttngagg 300
cggaccaaac cttaccgngg cctggtngnt agcttggttg tnccaggtta ggatctttta 360
gtttccaact ttaaattttg ncccacagga accctttttaa atccccttgt tnaattttaa 420
ccgtttngtc cccaggggg accagtttt tggccattgg ggnaaaacct tttggggggg 480
gttaaaaatt ttnccccccct gg                                        502

<210> 551
<211> 119
<212> DNA
<213> Homo sapiens

<220>
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<222> (35)
<223> n equals a,t,g, or c
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<220>
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<222> (57)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c


<400> 551
aaaaaggaaa ttaagagaag gtagaaattt aaatntttta atgaaaataa tgctttnaat 60
cattaaaaca ggatatgaat actccaatcc tttttaanat tatnacngtt ttcaaaatt  119


<210> 552
<211> 396
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c


<220>
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<222> (379)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c


<400> 552
gtagtaaatt gaaacctggc gcaatagata tagtaccgca agggaaagat gaaaaattat 60
aaccaagcat aatatagcaa ggactaaccc ctataccttc tgcataatga attaactaga 120
aataactttg caaggagagc caaagctaag acccccgaaa ccagacgagc tacctaagaa 180
acagctaaaa gagcacaccc gtctatgtng caaaatagtg ggaagattta taggttgagg 240
cgacaaacct accgagcctg gtgatagctg gttgtccaag ataaatctta gttcaacttt 300
aatttgccca cagaacctct aatccccttg ttaatttact gtttgtccaa agaagancac 360
tctttggacn ctnggaaanc cttgtaaana aattaa                          396


<210> 553
<211> 253
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (218)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<400> 553
gaaatcgaa aggagaaaaa aagccgagat gtagtctcta agaaagagga acgtaagcgt 60
acaaaaaaga aaaggaacaa agccaagaaa ggacanagan gaaatgcttt gggaccagtc 120
tattcttgga ttttgaactt tcaaattggt tctcccaagt taaattgaaa aatagtgaga 180
cttggtttta tgaatcgtgt tcntacactt tcttantnat nggtcctttn ctcctaccaa 240
ggctattaac aat                                                   253

<210> 554
<211> 431
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (399)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c


<400> 554
gcccaaaccc actccacctt actaccagac aaccttagcc aaaccattta cccaaataaa 60
gtataggcga tagaaattga aacctggcgc aatagatata gtaccgcaag ggaaagatga 120
aaaattataa ccaagcataa tatagcaagg actaacccct ataccttctg cataatgaat 180
taactagaaa taactttgca aggagagcca aagctaagac ccccgaaacc agacgagcta 240
cctaagaaca gctaaaagag cacacccgtc tatgttngca aaatagtggg aaaaatttat 300
aggttngaag cgacaaacct acgagcctgg tgatactggt tgttcccaga atanaatctt 360
agtttcactt ttaattttgg ccncagaacc ccctnaatnc ccttggttaa tttactnttt 420
agttccaaan a                                                      431


<210> 555
<211> 489
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (109)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c


<400> 555
gacccactcc acntgcnaaa gctnaaacta ctctgctttc tcacttacct acacttttga 60
cttaccacat acatctctct cttcggatat gagctgnaaa ctccttatnt cancgctcta 120
actctgnagt cctaatnntt ctagttggac caaaaaaaat ccnnattgtt tgatctaang 180
agangnaatt taccaatnct gtatacgcat gtgtgtgtgt cgcttaaacg anctgtccgg 240
ttatanaaaa tcctgatcgt cataaatcat gtctanacat catgtaatga attgcacgat 300
ttaatattgt ccctattagc antcactaca anctatttct caaatntacn tatttctccg 360
taaacaanca ttcagtactc cntcggatct ctaaaaatcc tctatgatct ntncacatca 420
ctgataaaga ccaattcgta tatacatgac tgtccttanc acatattcac tatcagtaga 480
aaagcnanc                                                         489


<210> 556
<211> 77
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c


<400> 556
ggaaaatatt atncagtaaa caatantgtg tgaactttta aaatggataa tagggcatgg 60
actgantgct gctanct                                                77


<210> 557
<211> 506
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c


<220>
<221> misc feature
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<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (482)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<400> 557
gcccactcca ccttactacc agacaacctt agccaaacca tttacccaaa taaagtatag 60
gcgatagaaa ttgaaacctg gcgcaataga tatagtaccg cagggaaaga tgaaaaatta 120
```

```
taaccaagca taatatagca aggactaacc cctatacctt ctgcataatg aattaactag 180
aaataacttt gcaaggagag ccaaagctaa gaccccgaa nccagacnag ctaccttaga 240
acagcttaaa gagcacaccc gtctatgttn caaatagtg ggaaanattt atnngttgaa 300
gcgacaaacc taccgacctg gtgatactgg ttntccaana tanatcttan ttcactttaa 360
tttgccacng aacctcttaa tcccttgtta atttactgtt antccaaaaa agacactctt 420
tggacctagg aaaaaacctt tttaaaaaat taaaaattta caccnttttt nggctaaaan 480
cngcccccat tttaaaaaag nttcaa                                    506
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<210> 558
<211> 298
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)

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<223> n equals a,t,g, or c

<400> 558
gtattatcaa taacaataaa aataaagcaa atacattaga cattaccctc ccatcaggtg 60
cacanaagaa agtcaaggct ggaatttcat tctcttatct aaatctctct gttctctctc 120
agggaatatt ttcagagaat aggtggaatn aagtgaggct gtgganaatg ttatctataa 180
taggatagac tttcttctgt gcacctgatg ggagggtaat gtctaatgta ttatcagtaa 240
cagtaaaaat anagcaaata ccngaaaant aaataagggg gggccnttct naaaaatc   298

<210> 559
<211> 295
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (201)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<400> 559
acaaagtgan cggtctggna agtcccggnc cggaaattcc cgggtcgacc ngaaccgtcc 60
ggataaatac tgtcantcca ttgatttatc tcctcctgtc ccccatctna aatacccatg 120
ctgctttnct gagtgttgat gggggttacc atcttgatcc actgttgctc ttagaangcc 180
canaanntct ttgggcattg ncaaggaaat cccggattat ctggaaaacc ctcnctttct 240
cttcacggct gtaccagaaa atccctaaga cagatnttgc ggtggncgan caata       295

<210> 560
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<211> 371
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (341)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c


<400> 560
gctnttttct gccgccaagc gcccggccgc gcgccggccg ncgcnacccg ctccggggac 60
agtgccaggt ggggagtttg actggggcgg tacacctgtc aaacggtaac gcangtgtcc 120
taaggcnagc tcagggagga cagaaacctc ccgtggagca naagggcaaa agctcgcttg 180
atcttgattt tcagtacgaa tacaagaccg tgaaagcggg gcctcacgat ccttctgacc 240
ttttgggttt taagcaggag gtgtnagaaa agttaccaca gggataactg gcttgtggng 300
gccaagcgta natagcgacg tcctttttga tccttcgatg ncggctcttn ctatcattgn 360
gaagcataat t                                                      371


<210> 561
<211> 205
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (201)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<400> 561
tnaaagcccc cgcgaggggc ccggggcggg gtccnttaaa cctgcgggcc gccggtgaaa 60
taccacnact ctgatcgttt tttcactgac ccggtgaggc gggggggcga gccccgaggg 120
gctctcgctt ctggcgccaa gcgcccggcc gcgcgccggc cgggcgcgac ccgctccggg 180
gacagngcca ggnggggagn nngac                                      205

<210> 562
<211> 580
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (511)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (515)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (542)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (561)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (569)
<223> n equals a,t,g, or c


<400> 562
ttnngactat agttttagnt nanacccctg caggtaccgg tccggaattc ccgggtcgac 60
ccacgcgtcc gcccattttt ccggttgata atgcaataga taatgggnaa gaanttcaag 120
ttgcattgcc natcttaatg gcagcttatg caatggcgga agcgtttatg tcaacaggag 180
ttggagcttc tcttatccta attgcattaa aagtaggaat tactgctaaa actgttgcag 240
ttataggagc tattgtcaca tcaatattat caatagcaac tgggacaagt tggggaacat 300
ttgcagcctg tgcacctatt tttttatggc taaatcatat agttggcgga aatattttat 360
ttgacaacaa gcagctattg cangangagc atgttttgga agataatata ggactatttc 420
agatactaca atagtaaagt ctggtatnca aaaaagtttg aaagttgtaa gaaagaattn 480
gacacccaag gtggtatggg caagcattag ntttnataat tcaaggaatt aataggcatt 540
tncttaatgg gtgggattta ncaatgggna tttaaccctt                       580


<210> 563
<211> 198
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<400> 563
gngngccctа ggcctcgcgc tgcccggccg gctcctcgng tcccactccc ggcgcacgcc 60
ctcccgcgag tcccgggncc ctcccgcgcc nctatactcg gcgcgcgcgc agcatggcgc 120
ccccgcaggn cntcacgttc gggcttctga ttgccgcggc gacngcgact ttngccgcag 180
ctcaggaaga atggagna                                               198

<210> 564
<211> 176
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c


<400> 564
caactgnagc tcattctgtt anagntcctc attcanctgg tcactgtgga cagagggtgt 60
tggcctgctn ccttctaagt attcttaaag ccatggattt ttgnggacca ttttcttctg 120
ntcttccttg agntatttnc tttntttgct atcttgggac tcttctttgt gcttga     176


<210> 565
<211> 264
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c


<400> 565
gcangtattc tacctaaatc ttncaatttn ctttaaatgg taagagnttc taaaacagac 60
aataatttaa caagctcagc tctgctttat ctgagtttag tggtcctaat atatatgtag 120
agaaagatgg tggggttgnt cacctctgta cagaccatct gtatgttagg tgacattgat 180
tatgggttat aatcagggaa actaattgga tttagtgaca aaaataaaaa gttttttttt 240
tatganaaaa aannnangggg ggac                                      264
```

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<210> 566
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<400> 566
nggacattga agccaaacca agccactatc agctggtgag tggaagcagc acggaggact 60
cgctccatgt tcatgctcag atggcagaga atgaanaaga nggtagtggn ggcggaggca 120
gtgaagagga tccccctgc anacaccaaa gctgtgaaca gaaagactgc ctggccanca 180
aaccttggga catcagcctg gcccancctg aaagcatccg cagtgaccta gagagttctt 240
gatgcacagt ctgacgatgt gccagacatc accttcagaa tgaaatgtgg nttcncccgc 300
tcccatactg cagcctgccc ctcgacccc agagnccaag gtgcaccgag cccaagtgcc 360
catatgaacc tctctgccct anccnangga canactgtct tgaagccaga a         411

<210> 567
<211> 208
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (194)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (201)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c


<400> 567
ggggaaaggg acctttccga aaaacatntt ttggggaaat aaaaatgtgg actgtgaaaa  60
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
nggggggcct tttnaaaaaa nnaaantt                                    208


<210> 568
<211> 322
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c


<220>
<221> misc feature
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<222> (291)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c


<400> 568
ncttggtcta ncctggctgc tcagaaagag cagtcaggac ttgagggaag catcaaattc 60
tatacccata aactgcagtt ggaagtcagc tttttgaaat gtccagcctt tgcccaattg 120
tttcagatca tctcattcct caggctttgg caggtatcct gccctccatc ttattccagt 180
gtgttcacct natcaaggca gcanagtgga tgaaggagta agtctgccct ttgccatact 240
gaacagctgt ggaccccgat tggtgagggc tctgcatatg cctgtatgaa ngagatacan 300
gtgtgngtgc acatgccggn nt                                          322


<210> 569
<211> 594
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (487)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (541)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (575)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (588)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (591)
<223> n equals a,t,g, or c

<400> 569
gggaacccga tcctaattca gagaatattg ctgcaatctc tcagtcttca gtgggttcag 60
acttgtttgt atttaaacct agtgagccaa ggccattgta tattcaaaag ggtatctcca 120
gagagaaagt ccagtgggga gtgtttgttc cacgagatgt ccctgaatcc ttcacctcag 180
aagcttacca gtggctaaat agatcccagt tttacttcct aacaaaatca cagagtttat 240
tgacattcag tacaaagtct ccagaagaaa aactcacacc aacanagcaa acagctgcta 300
gcagaagaaa gtcttcccac aaccccattt tatttcatat tgggaaaaca caggcaacag 360
caggatgaaa aactaaacga aactttagag aatgagctgg tacaactacc cttaacagaa 420
aacatacccg caattagtga gcttcttcac actccaccca tgtcctgcca tctgctgctt 480
tcctgtnctc catgtttgna aattcattgc tgctgtctaa aggagactaa gaagtgctaa 540
ngaaattcct gaaaaatgta gatatgggaa gaagnaaaac ggaaagtnaa natt   594

<210> 570
<211> 310
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c


<400> 570
gcggacgcgt gggaaataat tgcattaaaa tacaaaaggt gatagggaag aattaaaaga 60
tttgcagtat tgtacacaaa agctaataat tttgtgtact ttttatttat tttggaggtt 120
ttatatgatc ttcaattgag tattaaataa tttgcctaga ttaagcctaa aatgatgacc 180
agctaattaa agaagatatt ttgaatctgg ttctgagcta aagttgagta aattcttagc 240
taagaaaaaa ttggaaatcc atcatctata ttancaacag attctnanan taaattggta 300
acttntatga                                                        310


<210> 571
<211> 109
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c


<400> 571
gggcggttgc ggttagtgga ccgggaccgg taggggtgct gttganatta tggttgaccc 60
```

```
ctanccccgg taccctgaat gatagatcga ggangantta actatagna                109
```

```
<210> 572
<211> 429
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<400> 572
gtgtattttta caattttttt aaaggaaaat ttaaaatatg aaatgtttgt tttgtcttaa 60
cagggtatcc cttctccctc ccttgtcagc cttccttcct tctttgaaag gagaagtcat 120
acgttaagta gatctacaac tcatttgata tgaagcgtta ccaaaatctt aaattataga 180
aatgtataga cacctcatac tcaaataaga aactgactta aatggtactt gtaattagca 240
cttggtgaaa gctggaagga agataaataa cactaaacta tgctatttga ttttncttct 300
tgaaagagta aggtttacct gntacatttt caagttaatt catgtaaaaa atgatagtga 360
ttttgatgta attnatctct tgatcgaatc tngcattcna aaggccaata atttaaagnn 420
ggctatcaa                                                           429
```

```
<210> 573
<211> 202
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<400> 573
gggctggggc tgaccgagga ggtggagggt ggnagaggct ggggntgata aatctattga 60
ttgattgtga tagtaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa anaaaaanaa aaaaaaaaaa aanaaaaaaa 180
aaaaaaaana aatntaatat gc                                         202

<210> 574
<211> 229
<212> DNA
<213> Homo sapiens
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<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<400> 574
gcccacgcgt ccgtctagat cgcgagcggn cgcccttttt tttttttttt canaagagct 60
acattgtgtc antggacatt tttaaaaact gtgattttta ataatgtcca atgactgcaa 120
gtcggcctgg attttcactt gcaaaggnta cagctgcatt gtnaggtctc cnagccctgc 180
agagagctcc ntccactggt tagcagtgtg ttgtgttttn cattcattt          229

<210> 575
<211> 260
<212> DNA
<213> Homo sapiens
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<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<400> 575
gaaaagctta aagaaggttt tactgatcca gatgttgtcc agagacttcg agccttgagg 60
gttcttggtg ctgatgttgg tgaaggtgtg cgcggggatc agtaaaagct taaagaaggt 120
tttcacaggt cactgggctg tggtgagaga aggcctcacg aacccttgga ttccggataa 180
ctggtcttgg ggcggngtgg cttctgaaca ctgcnantgc taccgagttc tacactgaaa 240
aggactggan caagaangac   260

<210> 576
<211> 263
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)

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<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c


<400> 576
ggttttgtcc ttgtgttagg cagtctgagc agcgagtgat ccagagcgca gccaacaaag 60
cagcagatag cagtgtacag aaagcaaaaa aggaactgta tgtgaggcac ttgtttctgt 120
taatatccat attcctgtta acacacaccc tttctcatgt aaaaagaaaa ataaataaat 180
ggtctgaact ttgaaaactt tgtgctgnta ancatagatt ttggagacaa atnaatagat 240
gctatgctgt ntcantttca tag                                       263


<210> 577
<211> 366
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c


<400> 577
gaggaaacac tgtctatgat aggatttcca aaagtatttg tggacagtta aatgctaatt 60
```

```
aatatacatc tgtagttatt ctacattttc ttgaaatttg ggaggttaat accaagtatt 120
catttcatga tgtaaagaaa ctgaacagtg aagtggcttg attgcttaaa ctattgactt 180
ggtaagtcta ctgtatataa catctaatat atatattaca ggccaaatga actaaacatt 240
gccttgctat attcaccaaa aggacttaat tcttgttttt ttcccagttt tatatanagg 300
aaacactatg ataggatttc ctaaagtatt tgtggacagt taaatgctaa ttatatacat 360
ntgnnn                                                             366
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<210> 578
<211> 595
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (564)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (565)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (570)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (572)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (576)
<223> n equals a,t,g, or c

<400> 578
gganngctgg attnggccca ggcaaagacc agcaggaaga agaaatttgg gaaaaaaaac 60
aaggaccagg gaggtgagta ctgagggcca gggaagagga gtaggggtgt ctcagggtga 120
tctctggccc accgccttgg ccccttctcc caggtctnac ccaggcacag tacattgact 180
gcttccagaa gatcaagtac agcttcaacc tnctggtagg tggctcccca caagttcacc 240
aggcctctcc tcttcccctt cctccccagt aatcctctgc tgtctggact caaccatccc 300
aagccttttt cttcttcatc tactcccct agaacctccc cttccctctt gggactttg 360
ggaagtgcca gccttncagc caaggcataa aacaattatg gtgacctggt gaanatggng 420
tggtgtgaag ggtggtgaca ggcattgctc tttgtcccca agggaaaggc tggcccacct 480
ggnttgaagg agacaagtgc cccctgagct cgtacacatt cctctttaag tcccttgaac 540
tttcgtgaag ttaagggacg acanngtgn tnaaanacgg acaggcttga agtca   595

<210> 579
<211> 132
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c


<220>
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<220>
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<220>
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<222> (79)
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<220>
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<222> (110)
<223> n equals a,t,g, or c


<220>
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<222> (115)
<223> n equals a,t,g, or c


<400> 579
cnaccttcta agagatntaa tgggtcacta tgtgtggtta ttctacatta agcctacaac 60
attnttcagg gttgganana tgaactaata ctggtgaaaa tttacctaan acctnggtta 120
tcaaaaacat ct                                                      132


<210> 580
<211> 558
<212> DNA
<213> Homo sapiens


<220>
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<223> n equals a,t,g, or c


<220>
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<222> (9)
<223> n equals a,t,g, or c
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<222> (14)
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<220>
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<220>
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<222> (236)
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<222> (269)
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<220>
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<222> (353)
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<220>
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<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
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<222> (410)
<223> n equals a,t,g, or c

<220>
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<222> (411)
<223> n equals a,t,g, or c

<220>
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<222> (428)
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<222> (507)
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<220>
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<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (547)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (553)
<223> n equals a,t,g, or c


<400> 580
ntcggaatna accntcactt aagggaacaa aagctggagg angcgcgcct gcaggtcgac 60
actagtggat ccaaagaatt cggcacgagg ccgcgttgac cactggcgtc tcgctggtgg 120
tcttcgagac cggcgttggt tgaaaatcgc ccccggcttt ggccgtggcc gcgggtgaga 180
ttcggcgccc agagcccccg ggggcctcag ctcaccgcgc gctgccccat gtgcgncggt 240
gaaacccagg ccccgacagg cgctgccgnc ttccccccccg ggtgcggttc gttcgcgagg 300
tgttggcccc tgattccttg accccgattg cagacccttta accttgttct ttnttccgca 360
gacaatggtn cttncccacg gctgtacaac cgacggtcgg ccaaggaccn ngggggttttg 420
gggggaantt tggttttttcc caaggttttt caaattaaag ttgttttttgt tttaaaaaaa 480
aaaaaaaaaa aaaaattggg ggggtanttt ttggggggggg cccgggggggnc ccatggtttt 540
ttncaanccg ggngggggt 558


<210> 581
<211> 120
<212> DNA
<213> Homo sapiens


<220>
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<222> (62)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c
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<220>
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<222> (70)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c


<400> 581
ggggacccgg cccaattccc gggtcgacca cgcgtccgca cgattggaag aagaagcttt 60
tnccnttggn ctaattcgca ctttcctcac gaggaaatna aantagggca aaaaccaaac 120


<210> 582
<211> 260
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c


<220>
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<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<400> 582
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actgtctgta ttattattca cctataatta gtcattatga atgctttaaa gctgtacttg 120
catttcaaag cttattaaga tataaatgga gattttaaag tagaaataaa tatgtattcc 180
atgtttttaa aaaaaaaaaa aaaaaaaaaa nccccggggg gggccccggt ccccatttgn 240
cccantgggg ggccgtttnn   260

<210> 583
<211> 469
<212> DNA
<213> Homo sapiens

<220>
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<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<400> 583
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cctgcgggcc gccggtgaaa taccactact ctgatcgttt tttcactgac ccggtgaggc 120
gggggggcga gccccgaggg gctctcgctt ctggcgccaa gngcccggcc gcgcgccggc 180
cgggcgcgac ccgctccggg gacagtgcca ggtgggggagt ttgactgggg cggtacacct 240
gtcaaacggt aacgcaggtg tcctaaggcg agctcaggga ggacagaaac ctcccgtgga 300
gcagaagggc aaaagctcgc ttgatcttga ttttcagtac gaatacagac cgtgaaagcg 360
gggcctcacg atccttctga ccttttgggt tttaagcagg aggtgtcaga aaagttacca 420
canggataac tggcttgtgg cggccaaacg ttatagcgan gtcgctttt   469

<210> 584
<211> 361
<212> DNA
<213> Homo sapiens

<220>
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<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<400> 584
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gaaccgcagt tcagacattt ggtgtatgtg cttggctgag gagccaatgg ggcgaactac 120
catctgtggg attatgactg aacgcctcta agtcagaatc ccgcccaggc ggaacgatac 180
ggcagcgccg cggagcctcg gttggcctcg datagccggt cccccgcctg tccccgccgg 240
cgggccgccc ccncctccac gcgcnccgcg cgcgcgggag ggcgcgtgcc ccgccgcgcg 300
ccgggaccgg ggtccggtgc ggagtgccct tcgtcctggg aaacggggcg cggccggaaa 360
g   361

<210> 585
<211> 482
<212> DNA
<213> Homo sapiens

<220>
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<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature

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<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
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<222> (275)
<223> n equals a,t,g, or c

<220>
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<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
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<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<400> 585
ggtacctaac aaacccacag gtcctaaact ancaaacctg cattaaaaat ttcggttggg 60
gcgacctcgg agcagaaccc aacctccgag cagtacatgc taagacttca ccagtcaaag 120
cgaactacta tactcaattg atccaatnac ttgaccaacg gaacnagtna ccctanggat 180
aacagcgcaa tcctattcta tantccntat caacaatagg gttacgacc tcgatnttgg 240
atcaggacat cccgatggtg cagccgctat aaaangttcg tttgttcaac cattaaagtc 300
ctacgtgatc tgaattcana ccggagtaat ccaggtcggt ttctatctac ttcaaattcc 360
tcnctgtacn acaggacatn aagatataag gcctacttct caaancgcct tcccccgtaa 420
atgatntcat ctcaacttaa ntatnatacn cacaccctcc caataaaagg gtctgttggg 480
tt   482

<210> 586
<211> 492
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<400> 586
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cgcgtccggt cctttcccnt tccccccccc cacgcctcct cccctcctcc cgcccacgcc 120
ccgctccccg cccccggagc cccgcggacg ctacgccgcg acgagtagga gggccgctgc 180
ggtgagcctt gaagcctagg gcgcgggccc gggtggagcc gccgcaggtg cagatcttgg 240
tggtagtagc aaatattcaa acgagaactt tgaaggccga agtggagaag ggttccatgt 300
gaacagcagt tgaacatggg tcagtcggtc ctgagagatg ggcgagcgcc gttccgaagg 360
gacgggcgat ggcctccgtt gccctcggcc gatcgaaagg gagtcgggtt cagatccccg 420
aatccggagt ggcggagatg gcgccgngag gcgtcagngc ggnaacgcga ccgatcccgn 480
agaagcccgg ng 492

<210> 587
<211> 248
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<400> 587
ccacgcgtcc ggttaacaac aagaaaggtg taattagaat tgggatgtgg atatttactg 60
tatgnacaac acatttacag ttctgtaatg caaggatgca gtttaaaaat gtgaagtagt 120
gnanggtttt tgaaaataag ctttaaaata tagggatctt gaaaggcccc cggggggtact 180
attttataac ttagaataaa tgggnaatcn naactgtgtn tttggtaaat taatttttta 240
antatttt                                                       248

<210> 588
<211> 653
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (544)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (575)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (578)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (604)
<223> n equals a,t,g, or c

<220>
<221> misc f ature
<222> (626)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (653)
<223> n equals a,t,g, or c

<400> 588
nnncttccta ntggaaattc ccgngacact attgaaggta cgcctgcagg taccggtccg 60
gaattcccgg gtcgacccac gcgtccgcgg acgcgtgggg actgcttaga aatatagctg 120
aagtgatcac cacagccata aaattgttta agaaagattt atataatgtt tacaaatctg 180
gaatcaagga ttttagctga aatcctttaa gagatattag agcaagtatt taattcaggt 240
attttcaagt tttaaaactt aacctgttta cctactaaaa ataaaatagc tagttttttt 300
ctgcatataa aagttcattg aaatgatatg cccttatttg caatactttt cccataaagt 360
tttaagtgtg aaagaattgt aatttactag atatgtttgg tatgggatat tttgttaggc 420
aagtttttctt ttttcttctt aaattgcaat aggcttccaa aaagagtata attgnttcag 480
aacaaattaa ctcttggcat tatacgtctn ccttttctt tacagtatta gtaaaatgaa 540
aaantggaca ctttctgatt taacttcact aatgnaanta ctctctcaag gaagctttta 600
aaanttaaat taccatcaca caaccntttt atagtaaggc aacatttggt ttn        653

<210> 589
<211> 625
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (521)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (522)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (525)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (560)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (562)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (563)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (603)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (618)
<223> n equals a,t,g, or c

<400> 589
gcngaaacct cccgtggagc agaagggcaa aagctcgctt gatcttgatt ttcagtacga 60
atacagaccg tgaaagcggg gcctcacgat ccttctgacc ttttgggttt taagcaggag 120
gtgtcagaaa agttaccaca gggataactg gcttgcggcg gccaagcgtt catagcgacg 180
tcgctttttg atccttcgat gtcggctctt cctatcattg tgaagcagaa ttcaccaagc 240
gttggattgt tcacccacac gagccctgtg cttttggtgt aaataatgta caatttgtgg 300
atgtcattga atctagagga ctttcccctt tttatatttg tattaacttt aacttattaa 360
aaanaaaaaa agaanaagaa aaacaattta taaaaaanan aaaaagcaac caaccccaac 420
aacaaaaaag aatggtttgg tattggagaa gggatggtca gttaagcctg ctggcacacg 480
acggaatgga tctgggcccg gggaccactt tcatactacg nnctnatctt tggatacccca 540
gggaggggca accgtttcgn tnngggctgt acccagaagg tggaacggag tttggacaga 600
ctntccatta ggcgtggntc tttat                                        625
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<210> 590
<211> 365
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c
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ggcagagttt tcaaaaccaa gtgcacaaac gtttattaag catttaggaa atattatgta 60
aagaacctct natccttgca tgccaggcac tctttcaatc acttcagtga ccattttttcc 120
aaaattctga aacatccaca cttagggttt tctttgaatt tgggggtgcc ctccccncac 180
ccggcagcct tctgtgtcag ggggntacgg tcttgatata gacaccattt tttggaccta 240
ggggcagttt tgggattcta gctncagggg tacctgggtc ttaagggcaa ggtttgggan 300
ccggnacttt ttgcaaaacg tggggggcagt ttcaattttg nccctnaang aggccctaga 360
cggga                                                              365
```

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<210> 591
<211> 65
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c
```

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<400> 591
gccctatagt gagtcgtatt acaattcact ggccgtcgtt ttacaacntc gtnannngga 60
aaacc                                                             65
```

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<210> 592
<211> 269
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<400> 592
ggcagagngt gaaggctaga cccggttnac tggaattccc ctggcgatca aggggtccta 60
gtacaccgca atcatgtcta taatgtccta taacgnaggg gccgtaatgg ccatgaaagg 120
ggnaagnanc tntntggncc atcgctgcag anaggcgctt ngggaatcca ggcccagaat 180
ggtgaaccac gggacttnca gaaagatctt tncccatggg ntgaaccggt tgtnaatggg 240
tttgggccgg gnttgncaat taaggtnca 269

<210> 593
<211> 307
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<400> 593
ggcagagnag cattctctaa ctctaccccca ccctacaaaa tgcatatgga ggtaggctga 60
aaagaatgta atttttattt tctgaaatac agatttgagc tatcagacca acaaaccttc 120
ccctggaaa agtgagcagc aacgtaaaaa cgtatgtgan agcctctctt gnaatttcta 180
gttagcaatc ttaaggctct ttaaggtttt ctccaatatt aaaaaatatc accaaagaag 240
tcctgctatg ttaaaaacaa acaacannaa acaaacanca gnaaaaaatt taaaaaaaaa 300
ancgggg   307

<210> 594
<211> 128
<212> DNA
<213> Homo sapi ns

<220>

```
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c


<400> 594
tatccacact gtcaaacagg ttggtgtggg ttcattggca ttctttgnaa tactgcttaa 60
ttgctgatac cntatgaatg aaacatgggc tgtnattact gcaatcactg tgcctatcgg 120
canntaat                                                          128


<210> 595
<211> 598
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c


<220>
<221> misc feature
```

```
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
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```
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (552)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (560)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (562)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (591)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (593)
<223> n equals a,t,g, or c


<400> 595
gtggtttttg gctctttcag agaggtctca ggttctttcc atgcagactc ctcagatctg 60
aacacagttt agtgctttac atgctgtgct ctttgaagag atttcaacaa gaatattgta 120
tgttaaagca tcagagatgg taatctacag ctcacctctg aaggcaaata taagctggga 180
aaaaagtttt gatgaaattc ttgaagttca tggngatcag tgcaattgac cttntncctc 240
actcctgcca gntgaaaatg gatttttaaa ttatactgna gctgatgaaa ctcctgattt 300
tgnagntaat ttattaagtc tgggatgnag aacttcaaga agtaagagct aagttctaag 360
ntcatgnttg gaaattaata cttnatttgg ngctgggcta ttttganttt ggggggggaat 420
cagcantatt cttcagaagg ggacctggtt tcttcaaggg aaagaaacac tcttattcca 480
aactacagaa taatggggta aacatgctaa ataggtctat aaggaaacca aatactggat 540
tatctcggag gntattggtn anaagggcct tgggtaaaaa taagggtaaa nanaaagg   598


<210> 596
<211> 465
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c


<220>
<221> misc feature
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<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<400> 596
gaaaaaaaat ncattgtaaa taacctcagc tgggatgagg agtgacagaa tatcaaaata 60
atttgtggct gtggattttt ttaactgcta gtagtggaat actggaaaag cttcatttct 120
gaagatgaat tttattttta aaaaatacat gcacactcaa aacttttagc tttgatcaca 180
agtggacaaa tttctgaaac caaaggcaac taagttgctg tgttagctct tgctggattt 240
tgagcctagg tcctactgtc tgccagtact catgtgagtt gtatgtgccc ccagtgctac 300
atacgcaggt atgcgtaagt gtgtatgctt gttttaaaca aacactcaac gtacatatgt 360
acataatcta cacatattta tatcacatat ctagctttat tactatagac tatacgaatt 420
ggnggtaaca tgaaatgnta ccttttacag actgttttta aaaan        465
```

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<210> 597
<211> 320
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c
```

```
<400> 597
gcacgagcat accttctggt tgcttcaaac ctgacaccgt ccctnagtga atacgtacag 60
ccaaaaagga ccaactggct tctgtgcact agcctgtnaa ttannttgct tagtatggtt 120
ctnagatctt gnacagtata tttaaanctg taaatatgnt tgtgccttaa aaggngagaa 180
gaaagtntag atagttaaaa gactgcagct gctggaagtt ctgagccggg caagtngtgn 240
ggggctgttg ggacacttnc ttgtggggcc cggggtaatc agggcagcct ttcatagggc 300
ggggtccatg tgntggcant                                           320
```

```
<210> 598
<211> 688
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (507)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (582)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (584)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (604)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (637)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
```

```
<222> (642)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (650)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (673)
<223> n equals a,t,g, or c


<400> 598
gcccaaaccc actccacctt actaccagac aaccttagcc aaaccatttta cccaaataaa 60
gtataggcga tagaaattga aacctggcgc aatagatata gtaccgcaag ggaaagatga 120
aaaattataa ccaagcataa tatagcaagg actaacccct ataccttctg cataatgaat 180
taactagaaa taactttgca aggagagcca aagctaagac ccccgaaacc agacgagcta 240
cctaagaaca gctaaaagag cacacccgtc tatgtagcaa aatagtggga agatttatag 300
gtagaggcga caaacctacc gagcctggtg atagctggtt gtncaagata gaatcttagt 360
tcaactttaa atttgcccac agaaccctct aaatcccctt gtaaatttaa ctgttagtcc 420
aaagaggaac agctctttgg acactaggaa aaaacctttg tagagagagt naaaaattta 480
acaccccata gtaggcctaa aagcagncac caattaaaga aagcgttcaa gcttcaacac 540
ccacttccta aaaaattcca aacatataac tggaacttcc tnanacccaa ttgggaccaa 600
tttntcaccc ctattagaaa gaaactaatg gttagtntta angtaaccan tgaaaaacat 660
ttttccttcc ggnattaaag ccctggcg                                    688


<210> 599
<211> 748
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (613)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (657)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (707)
<223> n equals a,t,g, or c
```

<220>
<221> misc feature
<222> (727)
<223> n equals a,t,g, or c

<400> 599
gctccacctt actaccagac aaccttagcc aaaccattta cccaaataaa gtataggcga 60
tagaaattga aacctggcgc aatagatata gtaccgcaag ggaaagatga aaaattataa 120
ccaagcataa tatagcaagg actaaccct ataccttctg cataatgaat taactagaaa 180
taactttgca aggagagcca aagctaagac ccccgaaacc agacgagcta cctaagaaca 240
gctaaaagag cacacccgtc tatgtagcaa aatagtggga agatttatag gtagaggcga 300
caaacctacc gagcctggtg atagctggtt gtccaagata gaatcttagt tcaactttaa 360
atttgcccac agaaccctct aaatcccctt gtaaatttaa ctgttagtcc aaagaggaac 420
agctctttgg acactaggaa aaaaccttgt agagagagta aaaaatttaa cacccatagt 480
aggcctaaaa gcagccacca attaagaaag cgttcaagct caacacccac tacctaaaaa 540
atnccaaaca tataactgac tccttacacc caaattggac ccaatctatc acccctatag 600
aaagaactaa tgntagtatt aagtaaccat gaaaaaccat tcttcctccg gattaanccc 660
tgcgtcagga ttaaaacccc tgaactggcc atttaacagg cccaatntct taccattcaa 720
cccaccnagg tcattattac ccttactt   748

<210> 600
<211> 253
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c


<400> 600
cctgaccaca cgctggggca tcaacaaatg atcacttgac ttaatctgcc cctatgaacg 60
ccccgggaaa aaccgcttgn atgcnccaaa nctngtggaa ctttgcccca gcagtgatgc 120
ctgccaggaa agggttgaac cgcgaacctt gacgaagggg gggcccggtt acccaattgc 180
ggccctatag tgnagtngtg attnacaatt gcactgggcc gtcgtttttg acaagttcgt 240
gatgtttggn nat                                                   253


<210> 601
<211> 524
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c
```

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<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (507)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (524)
<223> n equals a,t,g, or c

<400> 601
ggcacgagcg gaagatcccc acatcgatga aagcaaagcg nagcaccaag ccatcatcat 60
gtccacgtcg ctacgagtca gcccatccat ccatggctac cacttcgaca cagcctctcg 120
taagaaagcc gtgggcaaca tctttgaaaa cacagaccaa gaatcactag aaaggctctt 180
cagaaactct ggagacaaga aagcagagga gagagccaag atcatttttg ccatagatca 240
agatgtggag gagaaaacgc gtgccctgat ggccttgaan gaagaggaca aaagacaagc 300
ttttccattt ctgaaactgc ggaanttttc cttcaaantt cattgaagag aagaggttgg 360
ttaaggacgt tttccaggat tggacattca aagaccagtg ggtttttggg nttttacagt 420
tgcagctttg tttttacctt acagtttttt tttttcaggt tccaggtttg aagggcccgn 480
ttgaaaggcc cggnttacan ttgtttnaag gttcccacat tttn                524

<210> 602
<211> 397
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c .


<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c


<400> 602
ggcacgagct acgcgggcca cgctgctggc tggcctgacc taggcgcgcg gggtcgggcg 60
gccgcgcggg cgggctgagt gagcaagaca agacactcaa gaagagcgag ctgcgcctgg 120
gtcccggcca ggcttgcacg cagaggcggg cggcagacgg tgcccggcgg aatctcctga 180
gctccgccgc ccagctctgg tgccagcgcc cagtggccgc cgcttcgaaa gtgactggtg 240
cctcgccgcc tcctcttcgg tgcgggacca tgaagtgctg ccgtcggtgg tgctgaaact 300
ctttctggnt tcattctctt cggcactggt tactggcgaa aancctggaa acggctttcg 360
ganaaggcta actgctggna acaagnaaac cggaacc                       397


<210> 603
<211> 76
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c


<220>
```

```
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c


<400> 603
tcgacccacg cgtccgccca cgcgtccggt gnttagtatc cccgncctgt gggcngccnc    60
agtntcccct cctaag                                                    76


<210> 604
<211> 127
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (127)
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<223> n equals a,t,g, or c

<400> 604
ttttcacgnt taattcactn tatttttctt gtataaaaac cctatgttgt agccacagct 60
ggagccntag tccgctgcac ggagactgtg gtgtnggnct tgacgaggtg ggtcagtgaa 120
ctcctnn   127

<210> 605
<211> 138
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

```
<400> 605
tttaanaaaa ggggnccctc cagcccagtg gcggangttc tagaactact ggatcccccg 60
ggttgcanga attcggcacg agagggancc gtgggccggg cgcgccggtt cccggcacnt 120
gtctcggcac gtgncanc                                                138


<210> 606
<211> 102
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c


<400> 606
ctcttgaaan agacgtgnag ctgctcctac ccaccactcc nggctgagcc ttgcctgata 60
cagcagcccg gaggcaccac ncgcnacccg agtctcaccc tc                   102


<210> 607
<211> 80
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c


<220>
```

```
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<400> 607
cacaggcatg ctcataagga aaggttaaaa aaaaaaaaaa aaaantcgag gggggncccg 60
naaaccaaat tngcccccnaa                                            80

<210> 608
<211> 398
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<400> 608
agacgcggag ggtcgccctg agggaagact cttcgggatg acaggagcgg gcctcggaag 60
ggactcgggg cgctggaggg aagtttcgtt cttcggagaa acagaacgcg ctcgaggggg 120
caccgtgggg cnaaggnnnc actcggttgc ggcggcagga gtgagggaca gtcccccgat 180
ttcctgctcc ctggggccct ggggacgttc cggccaccgg agcgactgtc acgccgacgg 240
ggatcaccgg cgcgagttgg ggggtcggaa agcgcctcct cccgccggtc gcggtccgct 300
aaccacttct cgcttgcctg ttccgctcct taagagcaac tgttgccctt ttgaagcagn 360
ataagtgtgc tgngctngaa gcttancggg ttgnttgt   398

<210> 609
<211> 275
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

```
<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c


<400> 609
tttttaagtg ctccatttta atgccganga ataagtcttt tggcaacaca aactggtcaa 60
taataggtaa tgcaggtatg ttcaggttaa gccaacaatg ttttgcattt ttatgcttat 120
tttctgtcaa cactaatgaa gtcaacattg cctgaatgtc tgaataatga aacacatccc 180
tgtttaaaag tatgtaactg aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaanaaaaaa 240
aaaaaaaaaa aaaaaaaaaa nncccncggg gggnc                           275


<210> 610
<211> 433
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c
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```
<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c

<400> 610
ggcagagcgc ggctctccca cctgtcaccc tggcccttct ctgcttggat ggtgtcttcc 60
tctcctcagc cgagaatgac ttcgtccacc ggatccagga ggtggaagag gatggcccca 120
gcagctgctc ggaggacgat tacagtgagc tgctgcagga gatcacagac aacctgacga 180
ggaaggagat tcagatagag aagatccatt tggacacgtc ctccttcatg gaggagctgc 240
ctggagagaa ggaccttgcc cacgtggtag agatcttatg actttggaac cagcgttcaa 300
gacggaggac ctgcttggca acgttttttnt gagtttccaa gaggaagggg tttcaagntt 360
caattgggtt ggatgataat tcaaggaatt nggcantttt tccctgcccg ggccttaatt 420
tncggaagnc ctg                                                   433
```

```
<210> 611
<211> 497
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c
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```
<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (487)
<223> n equals a,t,g, or c
```

<400> 611
ggcacgagtg ggaccccagg cagcagcagc agcggcagct aaagcagcag caaagttcgg 60
tgctggagca gccggagtcc tccctggtgt tggaggggct ggtgttcctg gcgtgcctgg 120
ggcaattcct ggaaaaccac cccacactgg gaatagccac cttgcccttg tagaatccat 180
ccgcccatcc gtccattcat ccatcggtcc gtccatccat gtccccagtt gaccgcccgg 240
caccactagc tggctgggtg cacccaccat caacctggtt gacctgtcat ggccgcctgt 300
gccctgcctc caaccccatc ctaaactccc ccaaggcgtn cggggctgtg cagactgggg 360
tgccaagcat cttctcccca accggggtgt tcccacatgc agtantgtat aacccccatt 420
cnttcctcgg tccaatgaac ttcagagcag ttccattcnt gcccggccat cttttgtgtc 480
ngctgtnaaa ataaata   497

<210> 612
<211> 503
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

```
<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<220>
```

```
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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